



DX NEWS

The magazine of the
National Radio Club

— SINCE 1933 —

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From the Editor ...

Wayne Heinen says that the Colorado Courtesy Programs Committee Machine is running out of 25-cent stamps. And as this particularly useful committee is driven by postage (not to mention an adroit compilation of computer programs), it must shut down until more stamps are received. Currently, only two NRC'ers have mailed Wayne and Jeff Tynan any stamps which are affixed to the envelopes bearing requests to selected radio stations for DX tests. We suggest that all DX'ers wanting to add stations to their logs immediately purchase at least a \$2.00 book of stamps, compile a list of stations most wanted to be heard, and send all to Wayne immediately. Don't wait for someone else to contribute postage; they won't; and you will, won't you? Use the address on page eight.

Wayne says he'd like to see enough DX tests listed on the front cover to push these comments from the editor to an inside page. I'd have to think about that ... Enough time. YES! YES! Kick me off! I can live with a dozen or so DX test listings ... can't you?

Thanksgiving GTG ... Ray Arruda's Annual "Lower Deck" Thanksgiving gathering again is open to all DX'ers on Saturday, November 25, 1989, starting at noon EST. You can find Ray and Arlene at 47 Burt St. - Acushnet, MA.

They joined ... Robert Hoy, Scottsdale, AZ; Frank Demino, Pittsburgh, PA (Boy, do YOU have a surprise in store for you next Labor Day weekend!) John Bay, Jr., Drexel Hill PA (You too - you're close enough to Pittsburgh!); and Dave Youngquist, Boulder Junction, WI. Yep, the NRC convention is a-comin' to Steel City, hummmm ...

Column support ... Don't forget to compile and send in your questions, requests, and tips to all columns. Even just one item from you could make the difference between a slim issue and one packed with news of DX. You don't have to write several pages of copy to write an article, either. A half-pager has a much better chance of fitting in immediately, especially in the slower months of October and March, than a blockbuster, which may have to wait for several months, especially during the summertime, when space is really at a premium, even with 48-page issues. Although most of you seem to like clippings from newspapers and magazines, they are lower-priority filler which will be pushed out by DX reporting. Speaking of clippings, someone sent me an interesting article this week which never will be used, as it was reduced to about 70% on a copier. Considering that most newsprint is about 9-point type, and DXN is reduced to about 60% after pasteup, the type in that clipping would have been reduced to about 5-point type (72 points = one inch), completely illegible to most DXN readers. No, thanks. If anything, increase the size if you copy a clipping.

DX Time Machine

From the pages of DX News

Twenty-five years ago ... from the Nov. 7, 1964 DXN ... Dick Nelson, Northridge, CA reported logging, on an SP-600JX, RV162-548, Radio Pyongyang-635, JOPJ-640, Cuba-640, Pyongyang-655, YSS-655, R. Girardot-660, R. Fabulosa-685, Pyongyang-785, Bonaire-800, YNOL-828, Belize-834, R. Nuevo Mundo-880, JOEF-920, TIAC-1025, HJGE-1033, VOA-1040 Sugar Loaf, TGXA-1040, JOJK-1170, plus 23 states ... 23 DX tests were listed.

Ten years ago ... from the Nov. 26, 1979 DXN: Norman L. Maguire, Albuquerque, NM reported 89 new series, 26 foreign ... TA catches from Mark Connelly, Billerica, MA included Ireland-567, Spain-585, Morocco-612, Portugal-719, Spain-738, Portugal-756, Spain-774, Portugal-782, E. Germany-783, France-864, W. Germany-1017, Portugal-1061. Five CPC tests were listed.

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

AM Switch

Jerry Starr

c/o WHOT Radio
4040 Simon Road
Youngstown, OH 44512-1320

Status changes in AM stations, supplied by the FCC and NRC members

CALL LETTER CHANGES

Old call:	New call:	Old call:	New call:
540 KKG0 CA Hesperia	KKJZ 1250 *New ME Bangor	WARP	
660 KGDP CA Orcutt	KSMI 1270 KFTY CA Tulare	KJUG	
670 *New VA Clarmont	WARO 1290 WPVA VA Colonial Heights	WSTK	
700 KKJZ CA Soledad	KSUR 1340 KWOR WY Worland	KKLX	
820 *New VA Cloverdale	WARL 1350 KLYD WA Bakersfield	KBAD	
840 *New CA Yountville	KRKL 1380 KWTC TX Beaumont	KJUS	
880 KJCD CA Montecito	KNZS 1390 WFBL NY Syracuse	WLLF	
*New VA Dayton	WARH 1410 WSKN AL Prattville	WRBN	
890 WRRE PR Ceiba	WFAB 1450 WSPB FL Sarasota	WSRZ	
1010 *New MN Sartell	KCUS 1460 WFAB PR Juncos	WRRE	
1020 *New FL Port Orange	WART 1510 WXLX NC Blowing Rock	WVIO	
1030 *New FL Oviedo	WCAG 1540 WBJA PR Guayama	WIBS	
*New IN Union City	WBNN 1550 *New NM Santa Fe	KWNW	
1050 KEYF WA Dishman	KFVR 1570 *New FL Pensacola Beach	WBND	
1090 WIBS VI Charlotte Amalie	WGOD 1580 WJIK NC Camp Lejeune	WVOF	
1100 *New AZ Tucson Estates	KRKR* 1590 KQUL WA Seattle	KZOK	
*New NV Las Vegas	KRQO *New WI Nekeosha	WCAE	
1150 KJIM CO Englewood	KFRR 1600 *New ME Brewer	WBYB	
1170 *New DE Laurel	WMPP* *New WA Dungeness	KRQZ	
*New VA Falmouth	WARN		

*Notes on calls: As a follow-up on comments made last week, it now appears the FCC has resumed its practice of assigning calls sequentially from the pool of unused calls for a number of new stations (CPs) which have not requested any call signs at this time, making assignments from the "KR--" and "WA " series. Stations not requesting a specific call after a certain period of time will be given the next available call in alphabetical sequence. Of course any station can request a change from this assigned call. While not officially stated, we assume this reflects part of the program to computerize the call inventory where each station needs a call for sorting purposes. In days of yore it was SOP for the FCC to assign a sequential call if none was requested. Evidently this practice has returned. Subscribers to M Street Journal should note that frequencies were incorrectly given for KRKR-1100 and WMPP-1170 in M&E V6 #43.

APPLICATIONS / GRANTS FOR NEW STATIONS

None

APPLICATIONS FROM EXISTING FACILITIES

540 KDFI TX Ferris: night power to 250 watts	
650 WBSO MA Clinton: city of license to Lancaster, MA, night power to 1600	
930 KKXX CA Paradise: add 500 watts nights	
1360 WGNN CA Lawrenceville: city of license to Grayson, GA	
1580 WPGC MD Morningside: reduce night power to 400 watts	

GRANTS TO EXISTING FACILITIES

690 WNZK MI Westland: day power to 5000 watts, night power 2500 watts on 680 kHz, relocate XR (although the FCC lists this as a "grant" we have our doubts as the Commission rarely moves this swiftly on any major facility change, let alone one as unusual as this. If you enter this in your Log, mark it as "tentative")	
730 WJTO ME Bath: day power to 10000, add 500 watts nights, antenna to U4	
1520 WTRI MD Brunswick: changes in antenna system (reduce tower height)	
1570 KTGE CA Salinas: changes in antenna system (add top loading)	

WNYG

RADIO 1440 A.M.
RT. 109 BABYLON, NY 11704

OTHERNESS

680 WLSY KY Newburg: follow-up to info on this new station listed two issues ago, they simulcast WLSY-FM (soft rock) days, then carry Talknet from 7:00 PM to 5:00 AM, sked appears NSP	
880 KHAC NM Tse Bonito: station is here, ex-1110 kHz Window Rock, AZ and is being heard widely in the west	
930 KRIA TX Terrell Hills: station is SILENT	
980 WMAK KY London: station is once again SILENT	
1030 WYSL NY Avon: 1000 watt (500 PSA) CP is ON THE AIR	
1290 WGLI NY Babylon: power reduction to 265/265 is now in effect	
1340 WBCR PA Wilkes-Barre: station is simulcasting WSCR-1320 Scranton	
1510 WVIO NC Blowing Rock: silent as WXLX, is back ON THE AIR with all Traveler Information format (like a high power TIS?)	
1580 KWYD CO Colorado Springs: 10000 watt CP is ON THE AIR	
WLLM NY Patchogue: 500 watt night power is ON THE AIR	

WILM
NEWSRADIO 1450

THANKS to the following NRCers for their contributions: JEFF TYNAN, TIM HALL, DICK TRUAX, EUGENE HINTON and "RODNEY"

73 and Good DX, *Jerry & BKF* Jerry Starr & Buffalo K. Foonman

Contests

George Sherman

104 Pinewood Circle
Apple Valley, MN 55124

Promotion of the DX hobby through competitive listening.

	Contest Standings as of 10/10								
	A	B	C	D	E	F	G	H	I
Robert Kramer, Chicago, IL	2420	1200	115	0	6	0	0	0	1
Rick Dau, Oakland, IA	1354	579	44	5	21	0	0	0	0
Robert Vance, FT.Belvoir,VA	966	701	7	1	17	0	0	0	0
Dave Hascall, Fortville, IN	333	188	0	1	12	0	0	0	0
Dave Johnson,Gainesville,FL	265	265	0	0	0	0	0	0	0
Bill Hardy, Aberdeen, WA	128	83	1	1	1	0	0	0	0
Nancy Hardy, " "	29	19	1	0	0	0	0	0	0
Mike Hogan, Burnham, IL	0	0	0	0	0	0	0	0	

A= total points; B= state & province points; C= s/ons & s/off; D= Most Likely stations heard; E= new loggings not on Most Likely list; F,G,H= 1st/2nd/3rd reports of new stations on air; I= stations returned to air after 3mos. silence.

Clarifications (see rules 8/21 DXN p.20) Level logs means state & province logs. General Rules B Reports postmarked more than 5 days after reporting period will require a good excuse! E: TIS stations OK

Scoring A First station from each state & province 2 points; 2nd, 4pts; 3rd, 6pts 4th, 8pts; 5th, 10pts. C: Handicap points are given to some contestants living in areas where not as many states & provinces can be heard, compared to a more central location. It is hoped this will give everyone a fair chance to win, but this is a trial & error process, so adjustments to the handicaps may occur from one year to the next

F "All other new logs worth 10 points each" means all new logs not on your Most Likely list. You can (but don't have to) use Most Likely stations or other new logs for your state & province logs.

G,H,I First 3 contestants to report new station on air get 50/25/10 points, 1st/2nd/3rd- non-contestants don't affect this. If more than one contestant reports same station in same issue of DX NEWS as new to air, earliest reception date gets most points J: Non-contestants don't affect this, 1st, earliest to hear & report gets 10 points.

FM Station Address Book

ONLY \$8.95 (Canada, US\$9.45) to the Pub Center (Foreign orders, please write for price)

• Listed by state, city • 8.5x11 inches, 3-hole punched • Full-size type

Domestic DX Digest - East

DX Catches in the Eastern U. S. and Canada, with 24-hr. ELT

William Hale
734 Burleson
San Marcos, TX 78666

MEDIUM WAVE ramblings

■ Our DX Family has grown by one more with the addition of **Ron Walling** of Vienna, Virginia. Welcome aboard, Ron. Keep those reports coming!
■ Here's one from the "Now, why didn't I think of that" department. **John Wilkins** writes (along with his West Texas DX) that he disagrees with my use of the term "non-ID" as described in Volume 56 Issue 30 of the News. John suggests the following categories in describing various degrees of the term "ID":

- (1) legal ID - meeting the FCC's top-of-the-hour requirements
- (2) ID - call letters given, with or without other data, but missing city of license. Could also be noted as "Call ID"

(3) slogan - anything else, for example "Q-93" or "Radio Sensación"
Okay, I'll buy that. Now if we can get everyone to go along with it. He also sends in some "Special" loggings which are on **Don Kaskey's** "Most Wanted/Rejected DX List". Thanks, John.

■ Remember when reporting, use Eastern Listening Time. ELT is defined as: That time which is used in the Eastern Time Zone, whether it be Standard or Daylight. Also, the question has come up as to why I, being in Texas where most of the station's call letters begin with a K, edit the DXDX-E Column. Well, it all boils down to this...when the column changed hands about four years ago, I drew the shortest match and got stuck with it. Seriously, since my reports come from the Eastern & Central Time Zones, and I live in the CTZ, I qualify. Glad I don't live in El Paso (for more than one reason-hi). Next question...

■ Since there are none, let's get on with it!!



SPECIAL

- 660 WVAL MN SAUK RAPIDS - 10/9 0143-0300 now noted with **Talknet & NBC Nx**; strong over WFAN sign-off @ 0300; noted 10/11 also (WPF-IN)
- 720 WGN IL CHICAGO - 10/18 0238 noted with **San Francisco earthquake coverage via KGO-810**; WLS had same feed 7 seconds ahead of WGN; no if you heard Frisco here & there, there's no need to recalibrate your dial-hi (WPF-IN)
- 860 KFST TX FT STOCKTON - 10/17 1700 with ABC Direction Nx, local ads, mx, typical small-town format; slogan is: *The Number One Country Stn* (QW-TX2)
- 1230 KLVY TX LEVELLAND - 10/17 2259 barely over QRM with sign-off with 1Kw ment (QW-TX2)
- 1240 KVLV TX ALPINE - 10/16 1951 with EZL/NOS mx; AM 1240 slogans; SNN nx @ 2100; good, but later mixing with others (QW-TX2)
- 1260 WIBV IL BELLEVILLE - 10/9 0246 noted with **Talknet**, promo for the New 1260 *Metro East Radio, the Talk of the Town*, phone #234-5515 given; change from bird-feed MOR mx; mixing with **Best of King** on WNDE (WPF-IN)
- 1310 WCCW MI TRAVERSE CITY - 10/11 0903 with Bay Area wx+Oldies; **format change from C&W**; 1st-timer & all alone (WPF-IN)
- 1400 KIUN TX PECOS - 10/16 2136 ad for **Valley Motors**; *Lunch on Us* promo; assorted mx; good with slight QSB (QW-TX2)
- 1430 CJCL ON TORONTO - 10/9 0252-0310 noted playing **oldies** past 2-3 nights; **change from Big Bandish-type mx**? along with CHLO-1570 (WPF-IN)
- 1480 KDBN TX DALLAS - 10/18 1945 short BRN features, interspersed with local ads; frequent IDs as *Dallas Business News*; legal ID @ 2100; very good, ex: KMEZ (QW-TX3)
- 1580 WLM NY PATCHOGUE - is now 500 watts nights up to 2200 sign-off (*Newsday* via 6A-NY)

UNIDs AND UNIDs ID

- 770 UNID ?? - 10/14 0610 poor in WABC null with BSOL mx, song by **Marvin Gaye** (one of his obscure hits which I didn't log) (LMC-NY)
- 940 UNID ?? - 10/15 1931 somebody under CBM with *Country Today* C&W program; poor (NjW-ON)

- 1130 UNID ?? - 10/12 1903 with nx from the **Unistar Radio Network** (1st time I've heard of that one) [WKY-OK also has this-Ed] followed by small-town-sounding DJ saying *Good evening & thanks for listening. It's Thursday and time for The Golden Oldies Show* which made it sound like OLD is not the regular format+*Jailhouse Rock* by **Elvis** and then vanished with power cut (CR-ON)
- 1330 UNID ?? - 10/8 0832-0848 somebody with Z-Rock heavy metal satellite pgm; poor with WEYZ (NjW-ON)
- 1580 UNID ?? - 10/18 0740 with *Polka Party* pgm; various polka tunes, Central Time Zone TCs & male host; poor with CBJ up to 0756; also hrd 10/19 @ 0726 with similar programming (NjW-ON)

DX/EQUIPMENT TESTS

- 890 WLS IL CHICAGO - 10/4 0206-0531+ noted with OC, at 0126 completely off the air; electrical buzzing over the whole band @ my QTH kept me from receiving anything else; off 10/5 0338 also, back @ 0433 rev; off 10/22 0135 too, but 0630 board (bored) job @ WEFM kept me from DXing it-RATS! (WPF-IN)
- 1030 WNOW NC MINT HILL - 10/14 0145 tune-in equal to WBZ with **Roy Orbison** mx & TT; canned ID @ 0152:WNOW *Mint Hill-Matthews-Charlotte*; unn (CR-ON)
- 1150 KWKY IA DES MOINES - 10/16 0119 tune-in with about 10 seconds of TT & ID; unsure if test ended at this point or continued with mx or OC; unn (CR-ON)
- 1160 WJJD IL CHICAGO - 10/11 0224 noted with TTs; back on RS @ 0247 ✓; KSL in null (WPF-IN)
- 1550 WNTN MA NEWTON - 10/16 0002 ET of mx with broken audio 'til 0012 ID:WNTN, *Newton concluding equipment tests*; good over a nulled CBE; unn (CR-ON)

TIS & OTHER

- 530 KCT797 IN GARY - 10/20 0423 this TIS provides updates on the Dunes State Park & I believe this is the XR sight instead of earlier Michigan City & I think these are correct CLs (WPF-IN)
- 1610 TX GUADALUPE MTS NAT'L PARK - 10/14 2350 loop tape, ±3 minutes with info on trails, campgrounds, park rules, etc; tape must run all night (QW-TX1)
- TX BIG BEND NAT'L PARK, PERSIMMON GAP VISITOR CENTER - 10/18 1400 3-minute loop tape with usual gen'l info, campgrounds, etc; about a 10-mile radius (QW-TX3)

MIDNIGHT TO MIDDAY

- 550 WSVA VA HARRISONBURG - 10/14 0645 fair with nx, ads, football scoreboard (LMC-NY)
- 560 WEBC MN DULUTH - 10/18 0722 TC as 6:22, local wx, business report; fair with CFOS (NjW-ON)
- 620 CFCL ON TIMMINS - 10/11 0643 since CFRP is U3 1Kw, I'm going to assume I heard CFCL with FF on 10Kw day power since only WTMJ/Cuba were heard earlier (WPF-IN)
- 630 KXOK MO ST LOUIS - 10/11 0218-0310+ with *Sports Final Extra on the American Radio Network*, a service of Star Communications of Boston; in CKRC null-no WLP tonight (WPF-IN)
- 640 WHLO OH AKRON - 10/14 0625 alone with REL (LMC-NY)
- 720 CHTN PI CHARLOTTETOWN - 10/17 0056-0126 with AC/pop mx by **Jeff Healey Band**, *Madonna*, *Boston*, *Stevie Wonder*, etc; Broadcast News @ 0100, announcer **Peggy Mitchell** gave the wx 4Cast @ 0106, several non-IDs:7-20 CHTN; fair with WGN (NjW-ON)
- 740 KCBS CA SAN FRANCISCO - 10/18 0116 with earthquake reports, closings, traffic info, several *KCBS Newstime* non-IDs; poor with WDFZ (NjW-ON)
- WDFZ TN TULLAHOMA - 10/18 0112-0151 with oldies by **The Easybeats**, *The Buckinghams*, etc; non-IDs as 2-74, local ads @ 0151; poor with KCBS-CA (NjW-ON)
- 770 KUOM MN MINNEAPOLIS - 10/11 0736 with NPR Nx; with power listed in Log, I'm guessing it was this MN stn & not the other; are they the ones on in the morning? (WPF-IN)
- 850 WEAT FL WEST PALM BEACH - 10/22 0100-0118 fair+good with listing of instrumental selections just played, then non-ID:WEAT, *EZ-104*, *AM & FM*, then reading current wx conditions for Ft Lauderdale & West Palm Beach+PSA for a business report to be presented at West Palm Beach Public Library+more mx with *EZ 104*, the more you listen, the better we sound; annr returned @ 0116 for list of mx just played & TC+mx & *EZ104*, *WEAT*; lost completely @ 0118 to dominant SS stn; no sign of regular WJAC (RW-VA2)

KOMO

910 CHRLT PQ ROBERVAL - 10/10 0152 tent, make that very tent on the FFie; looped in the right direction (NE+SW), but don't think so with only 2500 watts (WPF-IN)

930 WSLI MS JACKSON - 10/21 0748 poor with SNN Nx→sports roundup (college FB sked)+wx+mush [Ed-TX]

940 WMAZ GA MACON - 10/21 0740 fair with ad for tractor pull/mud racing at the Macon Coliseum+community calendar with many area ments including Warner+Robins, then AM-940 WMAZ Church of the Week+Traces by Classics IV [Ed-TX]

960 WERC AL BIRMINGHAM - 10/27 0730 out of ABC Talknet with Freddy Mertz subbing for Ray Briem really doing a hachett job on former Prez Reagan+mx after AM 960, WERC, Birmingham [Ed-TX*]

WGIR MO CAPE GIRARDEAU - 10/3 0412-0431 with ABC TalkRadio & Freddy Mertz who took over from Ray Briem's time slot; in WSBT/WERC null; add to your logs (WPF-IN)

980 WITY IL DANVILLE - 10/13 1144 noted with Sally Jesse on ABC TalkRadio; she sounds as boring on tape as she does live-hi (WPF-IN)

1250 WLEM PA EMPORIUM - 10/7 0600 sign-on with FM 99-Q (LMC-NY)

1330 WEYZ PA ERIE - 10/9 0305 good with BBD mx (LMC-NY)

1350 WBCA NY CORNING - 10/7 0633 fair under WOYK with ID, Cher song (LMC-NY)

1360 WDRC CT HARTFORD - 10/18 0735 sports nx with a ment of an upcoming Whalers game, 0736 TC & CLs, traffic report; fair with WSAI/WIXZ (NJW-ON)

1490 CFPS ON PORT ELGIN - 10/17 10FOS-560 @ 0732 with local nx & wx, 0735 CLs & Four Tops' I Can't Help Myself; poor (NJW-ON)

1590 WERA NJ PLAINFIELD - 10/7 0700 fair with Central Jersey mentions, legal ID (LMC-NY)

MIDDAY TO MIDNIGHT

550 WGR NY BUFFALO - 10/15 2059 good with ad for Kansas City Steaks, PSA for Ronald McDonald House followed by This is Western New York's first radio station, WGR Buffalo+nx (RW-VA1)

630 KXOK MO ST LOUIS - 10/18 2126 female with wx, call ID; poor, mixing with others (OW-TX3)

750 KJEL MO LEBANON - 10/18 1859 had Radio-what would life be without it? promo followed by dual ID:KIRK 103.7 - KJEL AM 750, Lebanon+ABC Nx; my 1st catch on 750 since 9/16/68 & MO #100; over WSB with WJR nulled (CR-ON)

WHEB NH PORTSMOUTH - 10/16 1852 very good with anncr Scott ?, Half-man, half-Rock & Roll machine; wx+mx by Billy Squier (GA-NY)

WHEB NH PORTSMOUTH - 10/18 1835 fair with ID, ad for The Atlantic News (LMC-NY)

830 WLND OH CORTLAND - 10/18 11820 fair with ads, lots of Warren ments; 83 Rock slogans (LMC-NY)

840 WKDI MD DENTON - 10/18 1820 with 50s & 60s OLD followed by full-info sign-off with SSB giving sign-on as 0715; apparently no PSRA or PSSA; poor with WHAS nulled (CR-ON)

920 KARN AR LITTLE ROCK - 10/18 2055 with Sally Jesse Raphael; 2159 local church PSA; good signal in this region (OW-TX3)

930 WFMJ MD FREDERICK - 10/17 1959 fair with wx, unid tune & ID...WFMJ in Frederick, Maryland. It's 86' @ 8 O'Clock+CBS Nx (GA-NY)

WKOS NH ROCHESTER - 10/17 1843-1856 good with Everly Bros mx, ads for Ford-JBL Audio System, Portland Glass; World Series promo (GA-NY)

940 WADV PA LEBANON - 10/18 1745 poor with ROK mx, FM simulcast (LMC-NY)

950 KLIK MO JEFFERSON CITY - 10/18 2102 with World Series Update by female+C&W mx; mixing with several others (OW-TX3)

960 WHYI PA CARLISLE - 10/18 1750 atop with MoYL satellite (LMC-NY)

1000 WLNL NY HORSEHEADS - 10/2 1829 fair with wx, scripture verse (Heb 12:1) & sign-off (GA-NY)

WLNL NY HORSEHEADS - 10/13 1820 XLNT with REL mx 'til full-info sign-off @ 1833 with SSB; ment'd they are owned by Lighthouse Broadcasting Co. of New York & operate LSR & LSS; tried for several times in the past but WWCN-990 splash usually kills frequency; WWCN has the best sounding audio of any Detroit-area AM, but is also the splatter champ in Motown (on a slop-per-watt basis) with WCAR a close secind; NY #160 (CR-ON)

1030 WFTK NC WAKE FOREST - 10/18 1845 end of GOS pgm & sign-off; Fair+good under WBZ (WPT-DC)

1090 WKTE NC KING - 10/17 1846 with GOS pgm, sign-off; fair under WBAL (WPT-DC)

1110 WNAP PA NORRISTOWN - 10/6 1829 week with non-ID:This is Philadelphia's leader in gospel music, WNAP, Norristown-Philadelphia (GA-NY)

1120 WKQW PA OIL CITY - 10/16 1839 with wx report, ID, Oil City ment; fair (WPT-DC)

1130 WRRL WV RAINELLE - 10/15 1859 fair with C&W mx over a nulled WCXI+full-info sign-off beginning with Another day is ending for WRRL, Rainelle. As always it has been a pleasure having you along; gave studio/office address as 507 Main Street; ended with FM invite; no SSB (CR-ON)

1140 CJTR PQ TROIS RIVIERES - 10/17 1851 with FF talk show; XLNT over WRVA (WPT-DC)



1150 KEZQ AR LITTLE ROCK - 10/18 2035 with Arkansas Tourism promos; IDs as Traveller's Information Radio; fair, mixing with WJBO (OW-TX3)

WJBO LA BATON ROUGE - 10/18 2137 with Mike Archer (LSU coach) talk show; local ads; fair over KEZQ (OW-TX3)

1220 WJUN PA MEXICO - 10/4 1800 fair thru WHUC slop with legal ID, NBC Nx (LMC-NY)

1230 KPSA NM ALAMAGORDO - 10/14 2245 with area events calendar; C&W mx; "Qué Pasa" slogans, although pgm was in EE (OW-TX1)

KRSY NM ROSWELL - 10/16 2014 noted with Krazy Radio slogans; pop mx (OW-TX2)

1260 KTTS MO SPRINGFIELD - 10/18 2017 with C&W mx, pgm note for Pickins From the Past; more mx on The Radio Ranch (OW-TX3)

WBNR NY BEACON - 10/3 1814 mx by The Zombies, non-ID:the greatest hits of all-time, 1280 WBNR (GA-NY) [That sounds like a break from SMN Oldies Net(?)-ED]

1270 KESS TX FT WORTH - 10/14 2246 with Latin pops, La Poderosa slogans, Kah-eh-doble-esse IDs; no EE ID @ :00 (OW-TX1)

1290 KLLF TX WICHITA FALLS - 10/18 1912 latin mx; ad for local appearance of Ballet Folklórico de Mexico; SS lang; fair (OW-TX3)

1390 WLAN PA LANCASTER - 10/6 1805 fair in WEOK null with local nx, sports, wx & jx:the Classic Hits You Grew Up With, WLAN (LMC-NY)

1420 WCOJ PA COATESVILLE - 10/6 1800 good with legal ID With 5000 watts, we serve all of Chester County, WCOJ, Coatesville+UPI Radio Nx (LMC-NY)

1600 WIXY MA EAST LONGMEADOW - 10/16 1859 very good with non-ID & mx by Michael Martin Murphy & Kenny Rogers (GA-NY)

CHNR ON SIMCOE - 10/13 0310 with mx by Gloria Estefan, Elvis Presley, & George Benson & CLs! given; with WWRL/WSNX/mush; 1st-timer on this Friday the 13th (WPF-IN)

Radio Station

REPORTERS:

WPRE

WPT-DC WILLIAM TOWNSHEND//Washington, DC//ICF-2010 980 Kilocycles - AM

CR-ON CHARLES REH//Leamington, ON//R-390A, S-40A + Sanserino Loop, 40" phased loop, RS TR-3000 taper

LMC-NY LAURA MC CUSKER//Ravens, NY//Station Promos Stuff & Hockey Schedules

GA-NY GUIDO URZI//Mastic Beach, NY//R-5000 + Palomar Loop

WPF-IN WENDELL FORD//Westville, IN//ICF-2010

NjW-ON NEIL WOLFISH//Willowdale, ON//ICF-2010

RW-VA1 RON WALLING//McKay Dynek AM 7 + RW 'Great Little Loop'

RW-VA2 RON WALLING//TRF + RW 'Shotgun Loop'

OW-TX1 JOHN WILKINS//campsite @ Guadalupe Mountains Nat'l Park, TX//Superadio II

OW-TX2 JOHN WILKINS//campsite @ Fort Davis State Park, TX//Superadio II

OW-TX3 JOHN WILKINS//campsite @ Big Bend Nat'l Park, TX//Superadio II

ED-TX Your Editor//San Marcos, TX//Superadio or *TRF, both barefoot

SOME ABBREVIATIONS & SPECIAL SYMBOLS USED IN DDXX-E

TT:test tones OC:open carrier TC:time check RS:regular schedule GRM:interference QTH:location SID:singing ID CID:code ID jx:jingle mx:music nx:news wx:weather SSB:Star Spangled Banner LSR:local sunrise SRS:sunrise skip LSS:local sunset SSS: sunset skip PSRA: Pre-Sunrise Authority PSSA:Post-Sunset Authority HS:high school FB:football BB:baseball HKY:hockey BKB:basketball :00: on the hour ||parallel with +to or into \$:stereo SS:Spanish FF:French EE:English POL:political GOS:gospel REL:religion or religious AC:adult contemporary BBD:big band OLD:oldies ROK:rock 'n' roll CHR:contemporary hit radio ContChr:contemporary Christian C&W:country & western EZLeasy listening UC:urban contemporary AP:Associated Press Radio UPI: United Press International MBS:Mutual Broadcasting System USRN:United Stns Radio Net NPR: National Public Radio MCRN:Music Country Radio Net IRN:Interstate Radio Net

73, Bill

Radio Roundup ... by Pete Kemp

Longtime NBC station in the City of Brotherly Love, KYW, is augmenting its on-air feeds with those of ABC. The station GM says that a decision on which direction to travel will be made within six months.

WDAS's Georgie Woods has moved time slots from 9 to noon to the afternoon 4 to 7 position.

WCNN's sister station WALR was supposed to be off and running in Atlanta recently. The problem was that their brand new one day old transmitting antenna collapsed.

Domestic DX Digest - West

DX Catches in the Western U. S. and Canada, with 24-hr. ELT

Wayne Heinen

**4131 S. Andes Way
Aurora, CO 80013
(303) 699-6335 (prepaid only)**

Your deadline: Saturdays two weeks before Topeka deadline.

SPECIAL!

- 660 KSNI CA Orcutt
10/21 1044-1100 C&W, "You've found it-Your kind of Country K-66 K-Country" C&W to 1056 "K-66 on the Central Coast" local Nx. ID on the hour "KSNI Orcutt-Santa Maria-Santa Barbara" Good Signal (Ex-KGOP) (RT-CA)
- 880 KHAC NM Tse Bonito
10/22 0913 Great Signal w/syndicated REL for Navajos, local promo for "letter month" gave ID & addr. Also noted night before, but lost at pattern change w/o ID. Per Station power 10,000/436 (U2). (Ex-1110, ex-Window Rock AZ) (TH-SDB)
- 1080 KSCO CA Santa Cruz
10/17 2200 on w/day power; emergency quake prg; Usually TLK w/CNN News Slogan "Talkradio AM 10-80" (Ex-KLRS) (RT-CA)
- 1460 KWES CO Colorado Springs
10/27 1701 Ex-KKCS. Still simulcasts KKCS-FM (KCS is the slogan) gives KWES @ legal on the hour New Call per (0W-CO),(WH-CO),(JT-CO)

MIDNIGHT TO NOON

- 610 KYJC OR Medford
10/18 0659 On top w/"Catch Oregon State FB on KYJC", KFRC off (KFRC was on earlier in the evening tho) (RT-CA)
- 620 KIGS CA Hansford
10/15 0901 S/on by man, all SS. KGW is a regular catch here since KIGS has dropped NSP. (TH-CA)
- 720 KSAH TX Universal City
10/16 0400 Poor u/WGN w/KDWN on SP w/usual SS prgming "Radio Festival" slogans. Difficult to get a reception report on this one (TH-CA)
- 810 KGO CA San Francisco
10/18 0231 Fair w/Columbian Station. Announced using 10kw on 1 tower after quake knocked one down and 1/2 of another. Mentioned many ABC stations were relaying their signal inc KOMO-1000, just as ABC TV was doing with KGO TV. (TH-CA)
- 810 KMIK NM Santa Fe
10/22 0817 HUGE signal w/EZL/CLA mx and ID's. Thought KGO was off at first (TH-SDB)
- 870 KIEV CA Los Angeles
10/26 1000 "KIEV, Los Angeles" on the hour then disappeared. New, CA #62. (JT-CO)
- 870 KROL NV Laughlin-East Las Vegas
10/17 0130 Station has added ARN sports talk ("Sports Final") (TH-CA)
- 880 KIKR TX Conroe
10/26 0840 C&W mx. ad for C&R Rental (mention KIKR for discount). New, TX #79. (JT-CO)
- 900 KGRB CA West Covina
10/26 0900 sounded like s/on @0700 then into NOS. New, CA #61. (JT-CO)
- 1050 CICF BC Vernon
10/15 0922 Poor-Fair w/XED QRM. Slogan sounded like "Your Country Connection CICF". Station seemed to get stronger about the time they changed calls. ///10-17 0055-0105 tentative w/"Focus on the Family" w/ a BC address and WIN Nx on the hour. (TH-CA)
- 1230 KPSS NM Alamogordo
10/26 0400 C&W mx and ad for Alamo Electric; ID on the hour. New, NM #41. (JT-CO)
- 1230 KHSN OR Coos Bay
10/22 0300 faded up w/KHSN-Coos Bay jingle then Mama's & Papa's mx and gone (RT-CA)
- 1340 KPGE AZ Page
10/22 0900 s/on (no SSB) quickly to C&W. Rare, never noted this strong before (TH-SDB)
- 1370 KAPB LA Marksville
10/22 0559 Poor but readable w/AM-FM s/on Ment AM 1000w, FM 97.7 w/3000w Owned by Three Rivers BCing Corp. Followed by Wx and possible MOR Mx till fade out. Too early for PSA; night pwr listed as 40w! New LA#6 (TH-SDB)

- 1390 KENN NM Farmington
10/22 0759 S/on noted in passing no SSB, good sig on top (TH-SDB)
- 1420 KTJS OK Hobart
10/22 0742 Putting a good dent in XEXX w/ College FB scores. This station gets out nicely. (TH-SDB)
- 1450 KVML CA Sonora
10/18 1121 ads, mentions of Hwy 4, call ID and C&W Mx. KEST still off (RT-CA)
- 1450 KSGI UT St. George
10/19 0106 CBS Nx, "Southern Utah's...leader KSGI" and TALKNET (RT-CA)
- 1450 KOBO CA Yuba City
10/19 1048 u/KVML with ad for event at Yuba fairgrounds "KOBO News time 7:48" KEST Still off (RT-CA)
- 1450 KPSI CA Palm Springs
10/22 0234 faded up w/"Your direct connection KPSI AM 145" then gone logging # 800 for me (RT-CA)
- 1450 KFLS OR Klamath Falls
10/22 0141 ID "14-50 KFLS" local ads and C&W Mx, KEST back but apparently on lower power, now nullable (RT-CA)
- 1480 KRUI CO Pueblo
10/22 0803 Fair w/ s/on by man (No SSB) Stayed on top of channel for quite some time. (TH-SDB)
- 1560 KTXZ TX West Lake Hills
10/17 0433-0500 Poor but alone on channel in XEBG-1550 slop. Same EE/SS CHR mix as noted before at the beverage site (actually not a bad format- nothing like KCVR-1570!). (TH-CA)
- 1590 KERP TX El Paso
10/22 0201 Noted S/off ann after ID "KERP, El Paso's Christian Information Station". Night power listed as 115w. (TH-SDB)
- 1610 KOP798 UT Bryce Canyon Nat'l Park
10/22 0115 Poor-Fair mixing w/Zion TIS but usually on top. Tape loop by man mentioned emergency PH numbers posted around the park and spoke about hiking trails New UT # 36 (TH-SDB)
- 1610 KOJ761 UT Zion Nat'l Park
10/22 0118 Poor but readable u/ Bryce Canyon TIS. Station is back on after being silent at least 4 1/2 yrs. Tape loop by man welcomed visitors to Utah's "Color Country" mentioned US Forest Service & Utah Parks Division Also mnts of Kolob Canyons visitors center at other end of park New UT# 37 (TH-SDB)

NOON TO MIDNIGHT

- 610 KAVL CA Lancaster
10/25 1705 poor to fair w/KCSR. Oldies format. Quite a surprise to hear CA this early in the day. New, CA #59. (JT-CO)
- 680 KNBR CA San Francisco
10/21 1700 Fair & steady signal midday on Car rx. Rare midday catch thru XETRA-690 slop. (TH-CA)
- 790 KUTA UT Blanding
10/21 2249 Fair-Good w/ KABC. Had Utah Jazz BKB. Legal ID @ 0301 "KUTA AM 79, Blanding-Monticello". Definitely using night authorization (TH-SDB)
- 810 KGO CA San Francisco
10/21 1700 Fair & Steady signal midday on car rx! Back to full power yet? (TH-CA)
- 890 KVOZ TX Laredo
10/25 1941 fair w/ads for Mr. Rooter in Laredo and Laredo Nat'l. Bank. Ads in EE then back to SS. New, TX #77. (JT-CO)
- 1050 CICF BC Vernon
10/17 2236 faded up w/"105-CICF", Wx then Ann Murray song, faded leaving SS. KOFY off (RT-CA)
- 1100 KVEE CO Grand Junction
10/17 2247 With KFAX off due to quake. KVEE strong with Unid SS. KFAX resumed paid prgming a few hours later (TH-CA)
- 1260 KTUE TX Tulia
10/25 2012 up briefly w/panhandle wx and ID then gone. New, TX #78. (JT-CO)
- 1260 KFAS AZ Casa Grande
10/25 2022 good u/KSNO. "105 KFAS, We're the Valley's best choice". New, AZ #47. (JT-CO)

- 10**
1260 KWSH OK Wewoka
10/25 2048 "Serving the tri-cities we're KWSH, Wewoka". C&W mx. New, OK #23. (JT-CO)
1260 KGIL CA San Fernando
10/25 2100 fair signal. Local tik then tlc rpt for Golden State Fwy. New, CA #60. (JT-CO)
1260 KCYX OR McMinnville
10/17 2234 dominant w/KOIT off, "on Younithill County's own KCYX" and into oldies (RT-CA)
1290 KUOA AR Siloam Springs
10/25 1914 fair with wx for western AR then into Willie Nelson song. New, AR #14. (JT-CO)
1310 KEIN MT Great Falls
10/17 2220 Ad for event "be there or be square", "13 Keen" Good Signal KDIA off due to quake (RT-CA)
1370 KGNO KS Dodge City
10/21 2105 Very Good w/Dodge City Comm College vs Garden City FB, locals ads, rare catch never noted this strong here before (TH-SDB)
1450 KTIP CA Porterville
10/18 2307 faded over jumble w/"great music, great memories, this is AM -1450 KTIP" KEST still off (RT-CA)
1480 KHQN UT Spanish Fork
10/21 2030-2045 Great sig on NNE wire which brought in Utah beautifully. Odd "new Age" mx (weird Shirley MacLaine meditation-type mx, not light jazz which sometimes gets lumped into this category to popularize it!) Lost @ 2045 pattern change/power cut. Pretty much has to be them, but no ID heard. Would have been new if I had gotten the ID (TH-SDB)
1480 KRAE WY Cheyenne
10/21 2227 Poor, faded up several times. Oldies request prgm. "Pure Gold" slogan used frequently so assumed SMN feed. Also noted a big band retrospective early the next AM. New WY #11. (TH-SDB)
1540 KSKQ CA Los Angeles
10/27 2011 fair w/tlc rpt in SS (mentioned Imperial Fwy, San Diego Fwy, and Wilshire Blvd). New, CA #63. (JT-CO)
1550 KZQQ UT West Valley City
10/18 2301 EE ID "KZ double Q" Ranchera Mx in XEBG null, KKHI still off (RT-CA)

UNID's

- 1100 UNID
10/17 2158 heard mention of "KVIX"? by male, KFAX off due to quake, also unid SS in background (RT-CA)(Maybe KVEE?-ed)
1250 UNID
10/22 0431 w/"Kaleidoscope - Radio Magazine" prg of CHR Mx u/KTMS on NNE wire.(TH-SDB)
1350 UNID
10/17 0130 and several other occ ARN Sports TLK. Suspect KSRO due to signal strength (TH-CA)
1380 UNID
10/22 0623-0714 Unid u/KTSM w/Sun Radio Network TLK, began with "Farm Talk" (Talk about narrowcasting, Hi!). No legal ID on the hour, went straight to UPI News. Only listed affl is in TN. Anybody know who's added this Net on 1380? (TH-SDB)
1550 UNID
10/18 2315 Rel u/XEBG & KZQQ (This may have been KQXI, Arvada they are on till 0200 w/about 100 watts and run REL -ed) (RT-CA)

CONTRIBUTORS

(TH-SDB) Tim Hall/ w/Neil Kazaross, Rancho Bernardo, CA ICF-2010, 3000' wire NNE, 1500' wire E
(TH-CA) Tim Hall/ Chula Vista, CA ICF-2010, Radio West Loop, Delco Car Rx
(RT-CA) Rich Toebe/ Pleasanton, CA GE Superadio, ICF-2010
(JT-CO) Jeff Tynan/ Parker, CO Sony-2002 w/JT5-B Loop
(OW-CO) John Wilkins/ Wheatridge, CO R-1000 w/3' loop
(WH-CO) Wayne Heinen/ Aurora, CO R-390A, RBB-4, 4' loop, 225' LW

(Note: If the indents of this column have been looking a little strange the past few weeks, it's because Wayne and I have been juggling and experimenting with a new version of his word-processing/data base program, a faulty translation program (the available version does not properly translate Microsoft Works 2.0), and limitations of importing copy into PageMaker. We think we finally have it right now! -pls)

International DX Digest

Chuck Hutton

983 St. Charles Ave., #1

Atlanta, GA 30306

(404) 892-6211, before 2300 ELT

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hours

- 530 UNID 10/16 0930 very poor LA music heard under CJFT for about 5 minutes. (Axelrod)
550 JAMAICA RJR very good with music and dedications, parallel to 580 and 720 which were also very good. 550 Montego Bay new here, 0153 10/24. (Renfrew)
655 EL SALVADOR R. Nacional YSS very good with s/off announcement and NA 0400-0407 10/24. (Renfrew)
670 VENEZUELA R. Rumbos 10/17 0055 lost in co-channel SS GRM (Cuba) until emerging at 0100 with several lovely "RRRRRRRadio RRRRRRRRUM-bos!" ID's and a promo for the upcoming Venezuelan baseball season. An old pal from the tropical bands (which were dead tonight). WMAQ finally rolled in around 0110. Less splash than usual from WFAN made this catch possible. (Janusz)
700 COLOMBIA Caracol Cali heard with ranchera music prgm, "Servicios Informativos de Caracol, boletin de la ultima hora". Parallel 5075 SW 0556 10/22. (Renfrew)
860 MEXICO XEMO 10/14 1237 good, Mexican style music, ID as "Radio Ochenta y Seis" as per WRTH. No CKBF for a big change. New for me. (Axelrod)
910 CUBA R. Reloj (nothing listed), with characteristic news items and code IDs every minute, under unid SS and 500 watt WKCN-SC! 0303 10/24. (Renfrew)
1030 HAITI 4VEH in SS, identification announcement u/WBZ 1000 10/24. (Renfrew)
1040 CUBA R. Moscow in EE, very good signal 2337 10/23. (Renfrew) 10/8 0037-0602 a jamming over WHO all night, sounded like a video game, and just to make it look good, Fidel had a SS stn under the jammer, as if to say he was the one getting jammed; noted again 10/10. (Ford) From what I can see of the reliability and quality of the aging Cuban transmitters, I'd wonder if this was intentional or not - CH
1040 MEXICO XEHEF Chihuahua, CH uses "La Poderosa" slogan and call letters. (Foltz)
1060 MEXICO XEEP Mexico City very good with flute music, parallel to 6185 SW 0757 10/22. (Renfrew)
1080 CUBA Radio Cadena Habana, Guines 10/4 1102 poor to fair with RHC ID's, man and woman in SS then into mx, faded at 1106. (Axelrod)
1090 CUBA La Gran Cadena poor with soft music, parallel to 1060, unlisted outlet 0817 1/22. (Renfrew)
1100 CUBA Radio Taino heard in parallel to 1040 and 830 with discussion about sugar cane production in EE 0253 10/9. (Renfrew) 10/7 0251 ripping WJWE to shreds with 830/1040/1160! (Ford) 10/15 0244 fair-good SS mx was // to 830 and 1040. Not heard on 1160 this night due to large KSL signal. No more Radio Reloj after 2 or 3 weeks of their format. New for me. (Axelrod)
1100 COLOMBIA Caracol (2 outlets listed) parallel to 5075 SW 0005 10/24. No sign of Radio Taino. (Renfrew)
1110 CUBA R. Angulo Holguin, very good with music prgm and full ID at 2400 10/23. (Renfrew)
1120 CUBA R. Angulo Mayari heard parallel to 1110 though much weaker, 0210 10/24. (Renfrew)
1140 CUBA R. Bayamo Media Luna heard u/WRVA with soft music and inspirational (non-religious) monologue 0020 10/24. (Renfrew)
1150 CUBA R. Bayamo same as 1140. (Renfrew)
1170 COLOMBIA Caracol Cartagena parallel to 5075 SW with news and ID "Servicios Informativos de Caracol" 0214 10/24. I'm especially proud of digging this out from WJVA and local WHAM! (Renfrew) Patience pays off - CH

If anyone has any info on the 1040 Mexican, please let me and Martin know. It is not listed in the 89 WRTH.

Shawn Axelrod - Winnipeg, MB
Martin Foltz - Mission Viejo, CA
Wendell Ford - Westville, IN
Ed Janusz - Bricktown, NJ
Jim Renfrew - Rochester, NY

R70, 100' LW, MiniTuner3, 3' loop
???
ICF2010
ICF2010, Ameco active antenna
HQ150, ICF2010, SM1

Rescue radio

Chicago Tribune
-via Barry S. Finkle

On the quake's heels, it was the only medium that worked

By Eleanor Randolph

WASHINGTON—Sometimes it takes a hurricane or an earthquake to remind us how much our high-tech communications system depends on a thin little wire that plugs into the nearest power station.

Last week in California and last month in the Carolinas, Mother Nature severed electrical umbilical cords. The human beings living in these disaster areas were not catapulted back to the Stone Age, but they were instantly dependent on batteries and backup generators.

In the dark, literally, and in need of advice and information, they remembered the value of a long undervalued gadget—the portable radio.

"Most people don't have battery-operated television sets, and it's pretty tough to sit around your living room and watch television if your living room doesn't exist any more," said David Bartlett, president of the Radio-Television News Directors' Association.

"But almost everybody has a battery-operated radio or a car radio," Bartlett said. "Radio's new role in our world is portability, not immediacy."

In such times, people cared little for the latest trend or the price of hair dryers or vidwazdray that clogs up the broadcast airwaves. They wanted basic questions answered: Is my family okay? Where can I get help? Is there food or water nearby?

Easterners watching ABC network television shortly after the quake saw a local San Francisco newscaster explaining how fellow residents should turn the gas off in their homes to prevent fire. She

The news business

noted the page in the telephone book where quake victims could find the information.

It all seemed an admirable public service until you realized that most of the people who could smell gas weren't watching television. They didn't have electricity.

Other media struggled to provide help after the quake. Newspapers, with borrowed generators and store-bought batteries, struggled to get slim editions on the street where they were hungrily bought for their value as news and souvenirs. The telephone service was better than anybody had hoped—unless, of course, you had one of those new, slim telephones that can redial, speed dial and play a tune when somebody's calling. Those phones run on electricity.

In areas where there was power, computer networkers instantly began networking. Subscribers to such computer networks as Prodigy and CompuServe tapped into their electronic-billboard systems to send messages to friends or relatives in California. One woman sent a message that the students at Mills College were all fine—a few lines that probably calmed an army of parents in the rest of the country. And a CompuServe executive compared the computer network to "workers to what ham radio operators do, only it's on a computer."

But the medium that clearly won the race for getting more crucial news to more people who needed it in San Francisco was radio.

At Candlestick Park, where the concrete "rippled" and the big lights went down shortly before the start of World Series Game 3, people huddled around radios in

hopes of getting the news about what was happening beyond the stadium walls.

"We have been on the air non-stop with no breaks since it happened," said John McConnell, news director for KGO Radio in San Francisco. With a damaged radio tower reducing by half its normal 50,000 kilowatts, McConnell said the AM station was off the air for about 20 to 25 minutes after the quake. Since then, it's been nonstop news and call-in shows at KGO. The first ad since the quake did not air until Friday morning.

San Francisco residents said they tuned to KGO, KCBS and KNBR for news of what was happening and where to go for food, water and safe buildings where they could sleep.

Music-format stations tried to be helpful as a disc jockey or two tried to give a little news in between the music segments. But most FM stations aren't designed for such things as information; the most they could provide was mental relief.

The news shows offered advice from traffic experts, psychologists and structural engineers. They gave residents tips on what to do when the water looks and smells funny.

At KGO, where listeners routinely call in and tell what's happening in their area, one resident described how strangely the family pets were acting before the quake. A woman who wanted to get to work at an Oakland hospital asked advice about the traffic pattern. The broadcaster told her how to get to work.

Two weeks ago in San Francisco, radio became more than a thing that plays music during the traffic jam. It was a utility because, in the beginning, at least, it was the only medium that worked.

Washington Post Writers Group

In addition, the station has aired messages from worried relatives to islanders unreachable by telephone. WSTA has also been a makeshift post office, forwarding letters from residents responding to messages heard over the air.

WSTA is sponsored by the Federal Emergency Management Agency, which had supplied the generator that the station used to stay on the air, Carle said. —GM

Youngstown Vindicator -via Gayle Yeager

Bay Area radio covers the quake

Broadcasting
-via Jerry Starr

After last week's earthquake, San Francisco area radio stations mobilized to cover the event. Market leaders such as ABC's KGO(AM) (in spite of losing most of its antenna array) and CBS's KCBS(AM) became the main source of information for their respective networks by keeping themselves on the air with auxiliary power and having reporters call in on regular and cellular telephones. All stations that were able to stay on the air broadcast commercial-free coverage for at least the first two days following the quake.

Among those on hand for CBS was the CBS Radio Sports crew covering the World Series. At 5:07 p.m., three minutes after the tremor, the network was broadcasting its pregame show, and at 5:10 John Rooney broke in with a live report. The network returned to the pregame show until 5:25, when Jack Buck, John Rooney and Johnny Bench all went on the air until 5:55, when they were cut off.

Contacting Bay Area stations was difficult last week, but group owners contacted by BROADCASTING and information compiled by the National Association of Broadcasters showed the following stations on the air: KMLF(AM), KFRC(AM), KKH(AM), KNBR(AM), KASL-FM and KFOG(AM), all San Francisco; KWAY-FM Monterey; KASL(AM) Oakland; KRCR(AM) Roseville; KQME(AM), KZFR(AM), KLVJ(AM), KHTT(AM) and KXEN(AM), all San Jose; KATV(AM) Los Gatos; and KUSA(AM) Santa Cruz.

The radio news networks all had a presence in the area as well and will be keeping teams of reporters there for the foreseeable future. Associated Press had Dave Lubeski,

sports director, and Mike Gracia, sports and news correspondent, at Candlestick Park to cover the World Series when the quake hit. They began broadcasting live special reports immediately during the newscast. Within an hour of the quake, they were providing live, twice hourly, three-minute special reports through Wednesday morning drive, and as of last Friday were broadcasting two, two-minute reports an hour.

UPI Radio had John Taugies covering the World Series at Candlestick Park. After the quake hit, Los Angeles bureau chief Bob Fuss and Los Angeles correspondent Bob Brill went up into the Bay Area. Fuss went to San Francisco, and Brill went to Santa Cruz early Wednesday. They began two one-minute updates an hour in addition to UPI's regular newscasts. On Wednesday morning, coverage was expanded to two-minute "earthquake updates."

Mutual Radio News aired its first bulletin at 5:12 and its second at 5:40, and then began special reports at 20 minutes past the hour that were continuing last Friday. Reporters arrived at various times last week from Los Angeles and Washington. The coverage was directed by Westwood One News Vice President Ron Nessen, who arrived in San Francisco on Wednesday morning.

Theresa Crowley, vice president of news and operations at Unistar, said coverage began moments before ABC lost its TV feed to the World Series, shortly after 5 p.m. Unistar stringer Joel Kamishar was reporting by telephone to update the network.

Radio host keeps pulse of small town

GLOBE, Ariz. (AP) — When Willard Shoecraft first hit the airwaves, radio was most people's major source of news and entertainment.

"Radio was a great and wonderful thing," says Shoecraft, who is back at the helm of a station he founded, massaging listeners daily with his gentle yet authoritative and mellifluous voice, a throwback to an era when radio was king.

At 68, white-haired and mustachioed, Shoecraft is an engaging entrepreneur, raconteur, on-air pro and civic-minded world traveler.

When Shoecraft started June 1, 1935, just out of Phoenix Union High School, changing records at hours a week, including the 6 a.m. sign-on to 12:15 a.m. sign-off on alternating Sundays as record master of ceremonies, "whatever that is." The pay was \$10 a week.

In those days the dial was less cluttered. There were six stations on the air in Arizona, compared with more than 180 today.

"It was the prime entertainment in those days, and it probably was fed a lot by the Depression," Shoecraft says. "If you could get enough to buy a radio, this was your family entertainment, and it was free."

Standard fare included Bob Hope, Bing Crosby and the Kraft Music Hall, the Firestone Hour, Arturo Toscanini and the NBC Symphony Orchestra.

"The best entertainment in the whole world, comedy and music and, it really means more. To my way of thinking, it's still just as magnetic if it's done right. Of course, the competition now is fierce."

Shoecraft, self-taught, has met that competition with his own brand of "little-town radio," a comfortable mix of talk, information, music and general help, plus a large dose of local news. "If it's news in Globe, we've got it."

The philosophy is simple: interact with listeners.

"He's been so involved in the community through the radio station," says Sheldon Miller, manager of the Chamber of Commerce. "He

mobile-home park, and moved KIKO into one. He built stations in Safford and Winslow and sold them, then in 1979 established KIKO-FM, with the highest FM signal possible, carrying 80 miles into Phoenix.

Over the years, he's made the most of turning bad luck into good fortune.

For instance, there was the time a hunter shot a telephone line, jumbling signals so a conversation between two women was broadcast over KIKO. Shoecraft faced a threat of being sued until he became friends with one of the women and her husband. And the woman's sister, Billie, whom he married.

Shoecraft played piano in a bar, served on the city council and as vice mayor, and once ran for the state Senate. "I was soundly beaten," he says.

The loss of commercial classical radio in LA touches on issues which go beyond that of one format or one city's listenership.

The decision by new owners of KEAC to compete with the plethora of rock music stations was clearly the result of the financial speculation running rampant in the radio industry.

Record-breaking station prices continue to carry a heavy debt service and force new owners to take drastic revenue-producing action.

In some stations this takes the form of cutbacks which take their toll on the technical plant. In other markets, the cost is one of format diversity, as is the case with KFAC, which was LA's only commercial classical station.

While the demise of the three-year anti-trafficking rule is certainly a factor in the leveraged buyouts, it is by no means the only culprit.

Reducing a station's value to that of an "investment" is a far cry from the public interest mandate of the Communications Act of 1934.

While it's true that a prosperous station is in a better position to serve its community of license, it's also true that when financial gain is the sole motivation for station acquisition the concerns of the public—as well as many in the broadcast industry—can get lost in the shuffle.

The newly seated FCC should take a second look at its deregulatory policies and weigh them carefully against public interest concerns.

And those involved in the buying and selling would do well to factor in the idea of service to their communities of license along with entrepreneurial concerns.

A broadcast license should be more than a license to make money.

Radio World
-via Paul Swearingen

—RW

Virgin Islands AM beats Hugo

WSTA stays on air following hurricane; island's only link to world

"Today is a little bit better than it was yesterday—that's our slogan," said Len Stein, general manager of WSTA(AM) St. Thomas in the U.S. Virgin Islands. On an island that is slowly recovering from the destruction wrought by Hurricane Hugo, the motto seems appropriate.

Just as appropriate is the name by which the station has been known for the past eight years: "Lucky 13" (it's at 1340 khz). Because of a lot of luck and equal amounts of sweat, WSTA was the only station among the nearly 20 on the Virgin Islands that was not blown off the air by Hurricane Hugo last month. And for a week following the hurricane, Lucky 13 remained the only Virgin Islands station on the air.

During that week of non-stop, commercial-free broadcasting and in the following weeks, the station served as a communications resource for the government, an emergency dispatcher for the police and emergency medical personnel and a message center for island residents who had lost

contact with friends and relatives. The station's performance during the storm and in its aftermath earned it praise from the Virgin Islands press and from its delegate to the U.S. House of Representatives, Ron DeLuco. "There is no question in my mind that this station is responsible for the saving of who knows how many lives," DeLuco said. "Who knows how many people did not panic and run out into the street during the storm because of this station staying on the air?"

During the storm, the station received a call from a household in which a stove had blown up, badly burning three people. Lee Carle, WSTA's station manager and chief engineer, asked his listeners on the air for advice on how to treat the situation. A nurse called in, and WSTA broadcast her instructions to the family on how to care for the injured until medical help arrived. The station was "sort of a dispatcher" for the police and national guard, Carle said, as it broadcast locations of situations requiring emergency attention.

At another time, the station arranged a communications linkup between the commander of the National Guard, based in St. Croix, and the Virgin Islands governor, who was on St. Thomas. The commander linked up with the station via ham radio, and WSTA broadcast the message so the governor could hear it.

The Answer Man

"No Question Is A Dumb Question"

Answers to members' questions, from the basic to the technical

R. J. Edmunds

753 Valley Road

Blue Bell, PA 19422-2052

Greetings, again, and welcome to another edition of the Answerman. We have some weighty issues to discuss, so let's get right to it!

ANSWER: In the last column, the question was raised as to the rates and subscription address for Popular Communications. We now have that information. Write to them at 76 North Broadway, Hicksville, NY 11801. Rates are (US) \$18/yr, \$35/2yrs, \$52/3yrs; (Canada/Mexico) \$20/yr, \$39/2yrs, \$58/3yrs.

QUESTION: I am plagued by a persistent sawtooth electrical buzz in my receiver. It seems to be stronger at night, and it appears on household AM radios also. I also notice it on the AM car radio when I drive into the garage at night. It's not TVI, so what is it and how do I cure it?

ANSWER: This is not an uncommon problem, but it is one which can become quite frustrating. You've already taken the first three steps in the process -- you've determined that it's neither your DX receiver nor is it TVI, and that it's coming from within the house. Among the probable culprits are fluorescent lighting fixtures, SCR-type dimmers, malfunctioning thermostats on electric heating devices (don't overlook aquarium heaters, here), arc lamps, and photoelectric light switches.

Fluorescent lights are easy to locate and just as easily switched off, or even replaced. Occasionally, the problem is a bad tube or starter, but usually, even a healthy fluorescent fixture is decidedly unhealthy for AM DX.

SCR dimmers should be equally easy to locate. First, try turning them off. If the dimmer has a distinct click position for off, then that may solve the problem. If it has no off position, or if it is simply one of those dimmers which may not totally shut off the current, even with an off position, try turning off the circuit breaker for that circuit, or pulling the fuse. Then try a portable radio to see if that cures the problem. If it does, you have three alternatives: 1) replace the offending dimmer; 2) install a separate switch to disable that part of the line, and then make sure everyone else in the house knows it; or 3) live with the problem.

Electric thermostats present another problem, as there may be several possible culprits, of which only one really is causing the problem. Try temporarily disabling all of them you can find, and then putting them back on line, one by one, until you locate the problem. Then you can replace that unit or have it repaired.

Arc lamps in your yard may also be causing the problem, since they would generate the noise back in along the electrical lines and into the house circuitry. Be especially aware of some of those lights which noisily zap intruding insects in summer, as they are a prime source of electrical noise, both radiated into the air, and transmitted back along the lines. There is no malfunction here, you either find ways to work around it, or put up with the noise.

Another problem, and one which is perhaps the most recent of this group, is photoelectric sensor switches, for either interior or exterior installations, again, since both use the house electrical circuitry. They are particularly offensive when used to control outdoor floods or spots, which may be noisy anyway. If this is your problem, you can remove the sensors, turn off the main control switches for the lights if you can do without them during your DX sessions from a security standpoint, or install a timer device in the line to override the sensors (and the lights) at prime DX times, if you DX regularly at certain times, and again, subject to your individual security needs.

If all of the above fails, you may have an appliance motor which is radiating noise, or you may even have something more unusual. Take your trusty transistor portable, and tour the entire house, with the ferrite bar antenna parallel to each wall, both near and away from switches and outlets. This may help you locate the source of the problem. Another method (when nobody else is inside) is to turn your DX receiver on at high volume, at about 530 kHz, and then individually and sequentially cut out each and every fuse or circuit breaker to see if one particular circuit is generating the noise.

If you turn off the mains, and use your transistor, and still have the noise, you may have a faulty electric meter, or the noise may be actually coming into your lines from outside of your property. In either of these situations, contact your electric utility.

IMPORTANT: Remember that installation of electrical switches, timers, dimmers, or whatever in the lines is a job for a licensed electrician, and you could get a nasty jolt, possibly start a fire (and not necessarily immediately, either), and almost surely be in violation of your local building codes. If you're in a multiple dwelling, talk to your landlord or superintendent before doing anything to common fixtures or to the lines.

QUESTION: At what point does a longwire antenna take on noticeable directional characteristics? Are there other factors than the length of the wire?

ANSWER: Generally speaking, a longwire doesn't become a longwire until it is in excess of thirty or forty feet. At that length, some directionality is observed, primarily in that given two stations of equal strength, one off the end of the wire, and the other directly off the side, there should be a preference toward the station off the end. As the length increases, this effect becomes more pronounced. At wave antenna (Beverage) lengths, the effects are strong enough to practically eliminate a strong station to the side in favor of a weak one off the end.

Factors which may affect the directivity would include ground conductivity at the antenna site, grounding (termination) at one end of the wire, the nature of the objects anchored to (size, material), height of the wire, and other objects nearby and within the field of the antenna which could distort its normal pattern. Normally, anchoring to trees or poles is preferable to anchoring to buildings, and frame buildings are preferable to metal clad or metal framed ones. Termination and height are highly variable, and are dependent upon ground conductivity. The optimums for these will have to be deduced by experimentation. Remember, also, that in dealing with antennas of substantially less than Beverage lengths, tuning or matching, using an L/C network (refer to the NRC Antenna Manual, Vol. 1) is advisable.

That should do us for this time! 73's.....

KE

CITY QUIZ

John S. Bowker, Valparaiso, IN

QUIZ #38

Only one city in the United States has stations operating at the five dial positions shown below. Of course, there may be other stations in this city too! Can you spot the city?

650 880 1170 1510 1560

Here is a hint; it is one of these: Columbus-Worthington, Nashville, Phoenix
(The answer will appear at the end of the next City Quiz in DX News.)
The answer to City Quiz # 37 Minneapolis-St. Paul

Sports Networks

Barry S. Finkel

10314 S. Oakley
Chicago, IL 60643

Network listings for stations programming team sports

Here is some NFL, NBA, and NHL information. Please send me any network lists and/OR names of announcers that you have. Help with this column came from Gayle Yeager, Duncan Shaw, and Ken Onyschuk. NFL Flagship information is from "Broadcasting" August 14, 1989.

This season CBS Radio will again carry all of the NFL games that do not occur on Sunday afternoons - 16 Monday evening, 7 Sunday evening, 1 Saturday evening, 4 Saturday afternoon, 2 Thanksgiving, and all post-season. There again will be "NFL Talk", a one-hour post-game call-in show. Mutual Broadcasting (Westwood One) will carry 16 Sunday double-header broadcasts at 1 PM and 4 PM ET. Flagship stations for the 28 teams, along with network size and announcers (where available), are listed below.

Atlanta Falcons	45	750 WSB -GA	
Buffalo Bills	18	930 WBEN-NY	
Chicago Bears	62	720 WGN -IL	Wayne Larrivee, Jim Hart, Hub Arkush, (Dick Butkus)
Cincinnati Bengals	50+	550 WKRC-OH	
Cleveland Browns	46	1110 WWWE-OH	
Dallas Cowboys	127	1080 KRDL-TX	
	13	-	SS
Denver Broncos	55	850 KOA -CO	
Detroit Lions	30	760 WJR -MI	
Green Bay Packers	53	620 WTMJ-WI	
Houston Oilers	40	KODA-TX	
		KQOX-TX	SS
Indianapolis Colts	32	1070 WIBC-IN	
Kansas City Chiefs	50	810 KCMO-MO	
Los Angeles Raiders	43	640 KFI -CA	
	?	-	SS
Los Angeles Rams	22	710 KMPC-CA	
	?	1090 XPRS-BC	SS
Miami Dolphins	50	610 WIOD-FL	
	0	1140 WQBA-FL	SS
Minnesota Vikings	55	830 WCCO-MN	
New England Patriots	52	850 WHDH-MA	
New Orleans Saints	32	870 WWL -LA	
New York Giants	40	1130 WNEW-NY	
New York Jets	0	880 WCBN-NY	
Philadelphia Eagles	30	610 WIP -PA	
Phoenix Cardinals	24	620 KTAR-CA	
Pittsburgh Steelers	35	1250 WTAE-PA	
		96.1 WHXT-PA	
San Diego Chargers	5	690 XETRA-BC	
San Francisco 49ers	25	810 KGO -CA	Joe Sparkey, Wayne Walker
Seattle Seahawks	55	710 KIRO-WA	
Tampa Bay Buccaneers	28	104.7 WRBQ-FL	Jesse Ventura (color)
Washington Redskins	87	630 WMAL-DC	

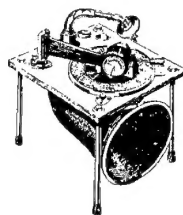
1989-90 NHL Flagship Information from "Hockey News" via Andy Rugg

Boston Bruins	1390 WPLM-MA	Bob Wilson, Johnny Bucyk
Buffalo Sabres	930 WBEN-NY	Rick Jeanneret, Jim Lorentz
Calgary Flames	770 CHQR-AB	Peter Maher, Doug Barkley
Chicago Blackhawks	780 WBBM-IL	Pat Foley, Dave Tallon
Detroit Red Wings	760 WJR -MI	Bruce Martyn, Paul Woods
Edmonton Oilers	1260 CFRN-AB	Rod Phillips, Gord Garbutt
Hartford Whalers	1080 WTIC-CN	Chuck Kalton, Andre Lacroix
Los Angeles Kings	570 KLAC-CA	Bob Miller, Nick Nickson
Minnesota North Stars	980 WAYL-MN	Al Shaver, J. G. Preston
Montreal Canadiens	600 CFCE-PQ	EE Dick Irvin, Rob Faulds
	690 CBF -PQ	FF Claude Quenneville, Gilles Tremblay, Mario
New Jersey Devils	770 WABC-NY	Chris Moore, Larry Brooks
New York Rangers	660 WFAN-NY	Marv Albert, Howie Rose
	930 WPAT-NJ	
Philadelphia Flyers	610 WIP -PA	Gene Hart, Bobby Taylor
Pittsburgh Penguins	1020 KDKA-PA	Mike Lange, Paul Stegerwald
Quebec Nordiques	800 CHRC-PQ	Alain Crete, Michel Carrier
Saint Louis Blues	1120 KMOX-MO	Kelly, Wilson, Affleck
Toronto Maple Leafs	1430 CJCL-ON	Joe Bowen, Paul Romanuk
Vancouver Canucks	980 CKNW-BC	Jim Robson, Larscheid
Washington Capitals	630 WMAL-DC	Ron Weber
	600 WCAO-MD	
Winnipeg Jets	580 CKY -MB	Curt Keilback, Michael Hearn, Ken Nicholson

Radio News for September, 1925

DUOGRAPH

The Duograph, shown in the illustration, was submitted to the Radio News LABORATORIES for test by the Willson Company, Stamford, Conn. It consists of a Pathe photograph



machine on which is mounted a reproducing arm actuated by a Bakelite unit. This Duograph may be used to reproduce, on aluminum disks, radio concerts which are received on the usual radio sets. It also affords provision for using these records after they are made.

Joe Sparkey, Wayne Walker

Jesse Ventura (color)

San Francisco Fortyniners Joe Sparkey, Wayne Walker

620 KWSO-CA	970 KOOK-CA	1270 KFIY-CA	1340 KKAM-CA	1450 KOBO-CA	1490 KSYC-CA
810 KGO -CA	980 KINS-CA	1280 KJOY-CA	1400 KQMS-CA	KVML-CA	1560 KIQS-CA
830 KNCU-CA	1060 KPAY-CA	1300 KMFB-CA	KUKI-CA	1480 KYOS-CA	94.3 KNGT-CA
950 KAHU-CA	1240 KNRY-CA	KGNR-CA	1450 KVMU-CA	1490 KRKC-CA	104.5 KIQO-CA

Pittsburgh Penguins

Mike Lange, Paul Stegerwald (from "Post-Gazette" 10/4/89)

600 WRCK-PA	940 WESA-PA	1160 WCCS-PA	1230 WCRD-PA	1400 WKWK-WV	91.1 -PA*
620 WHJB-PA	1020 KDKA-PA	1230 WBVP-PA	1280 WKST-PA	1450 WFRA-PA	

*Gayle Yeager did not list the call for this FM station in Harrisburg.

Gayle also reports a typo in the Pirates* list in issue #29 - 1440 WRRD -s OH, not PA.

1989-90 NBA Radio Listings per NBA Guide Sporting News (via Ken Onyschuk)

Atlanta Hawks	920 WGST-GA	Steve Holman
Boston Celtics	590 WEEL-MA	Johnny Most, Glen Ordway
Charlotte Hornets	1110 WBT -NC	Steve Martin, Gil McGregor
Chicago Bulls	1000 WLUP-IL	John Rooney, Jr. Bridgeman or Jim Durham, Johnny Kerr
Cleveland Cavaliers	850 WRMR-OH	Joe Tait
Dallas Mavericks	820 WBAP-TX	Ted Davis, Al Stone
Denver Nuggets	850 KOA -CO	Bob Martin, Jeff Kingery
Detroit Pistons	950 WWJ -MI	George Blaha
Golden State Warriors	680 KNBR-CA	Greg Papa
Houston Rockets	740 KTRH-TX	EE Gene Peterson, Jim Foley
	1320 KXYZ-TX	SS Rolando Baciera, Alex Lopez-Nigrete
Indiana Racers	1260 WNDE-IN	Mark Boyle
Los Angeles Clippers	930 KRTH-CA	Ralph Lawler
Los Angeles Lakers	570, KLAC-CA	Chick Hearn, Kevin Loughery
Miami Heat	560 WQAM-FL	EE Sam Smith, Eric Reid
	710 WQAI-FL	SS Sarrel Del Valle, Carlos Fournier
Milwaukee Bucks	620 WTMJ-WI	Jim Irwin, Jon McGlocklin
Minnesota Timberwolves	1130 WDSY-MN	Kevin Harlan
New Jersey Nets	1130 WNEW-NY	Howard David, Jim Spanarkel, Mike O'Koren
New York Knickerbockers	660 WFAN-NY	Jim Karvelas, Walt Frazier
Orlando Magic	740 WNNZ-FL	David Steele
Philadelphia	610 WIP -PA	Jon Gurevitch
Phoenix Suns	620 KTAR-AZ	Dick Van Arsdale, Al McCoy
Portland Trailblazers	1190 KEX -OR	Bill Schonely, Geoff Petrie
Sacramento Kings	1530 KFBK-CA	Gary Gerould
San Antonio Spurs	1200 WOAI-TX	EE Jay Howard
	720 KSAH-TX	SS Armondo Quintero
Seattle Supersonics	950 KJR -WA	Kevin Calabro
Utah Jazz	570 KISN-UT	Rod Hundley
Washington Bullets	1260 WDC-DC	Charley Stowes

Radio Roundup ... by Pete Kemp

One Milwaukee broadcaster recently received the good news/bad news line. The bad news: WTMJ-AM is no longer in the number one spot in the city, the good news: the number one spot is occupied by its FM-sister WTKL.

CKCK has recently bid CKRM for the radio rights to the Regina Pats for the next three years.

Facts About NRC's DX Audio Service

The DX Audio Service, now in its third year of operation, provides the ONLY monthly broadcast news cassette service to the DX community.

The DX Audio Service, available to anyone anywhere, is designed to inform the radio listener in a way that is pleasing and informative. Many of the announcers on the service are professional broadcasters giving their free time to give the listener the finest service available.

DXAS was started to provide broadcast information, both AM and FM to the blind DX listener. It has evolved into a service for all types of listeners with material useful to all types of listeners. Many of our subscribers listen to the tape to and from their place of work while driving down the road.

One-year subscription, subscriber keeps the cassette each month: \$25

One-year subscription, subscriber returns the cassette each month by the 18th of the month for reduplication: \$12 Sample copy, back Issues of DXAS: \$3

Cassettes are mailed by First Class mail, on or about the 20th of the month. Information, subscriptions, renewals, sample copies: write to NRC DX Audio Service - P. O. Box 24 - Cambridge, WI 53523-0024. For back issues: NRC Publications Center.

Musings

of the Members

Thoughts from NRC members ... the opinions expressed in this column are those of the individual writer and do not necessarily reflect those of the editors, publishers, or the National Radio Club, Inc.

Al Muick, Jr.
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Houston, TX 77042
Times are local per Muse.

Welcome to another edition of Musings of the Members! I'm all settled in at my new place of residence and things are going fine here with the exception of a case of the cruds yesterday (26 OCT) brought about by some bad shrimp I ate while on assignment in Shreveport, LA. A co-worker told me about a sure-fire cure for them. You drink an entire small bottle of Pepto-Bismol and about ten minutes later drink a quart of Gatorade to replenish your electrolytes. An as sure as I'm my father's son...it works!

ERIC BUENEMAN, 5002 Cross Ridge Ct., Woodstock, GA 30188-4380 (404)-924-7780 (prepaid) "Changes, keep on changin'," as ZZ Top put it in a song. Moody Bible Institute has taken over WAFS-920 and will be changing calls to WMBN, for Moody Bible Network...their studios are in the old WEKS-104.1 facility at 1447 Peachtree Street N.E. Gary McKee has decided not to renew his contract with WQXI AM/FM...According to station sources, McKee was "fired." He will still be working at WQXI 790/94.1 until a replacement is found. Also getting the axe are WQXI 790's morning man Ken Cooper and program director Travis "Jan" Jeffries...Jeffries has been replaced by Australian born Craig Ashwood. According to Douglasville NRCer Bill Allisauskas, WPPI-1330 is planning to drop oldies for Christian information...St. Louis now has a Financial Broadcasting Network affiliate, but it is unclear which station has it...my guesses are WIL-1430 or WKLL-590. WFTD-1080 is now beginning the process of converting to AM stereo, in addition to carrying this season's Georgia Southern football games. Other college football in Atlanta: University of Georgia games are on WSB-750, Georgia tech on WCNN-680, University of Tennessee on WYNX-1550, Clark College on WCLK-91.9 and the Nittany Lions of Penn State on WFOM-1230. High School football games are carried by WFOM-1230, WIGO-1340, WYNX-1550, WSSA-1570 and WKUU-FM 97.7. If that's not enough to satisfy your football appetite, WSB-750 has the NFL's Atlanta Falcons, with WCHK-FM 105.7 carrying the Falcons if there is a conflict with the playoffs of the world series. The financing for the proposed KXEN-1010 deal has hit a snag...American Media Brokers and Communications Equity Associates have declined to help my group because our project is "outside their particular investment parameters," a discriminatory attitude toward new companies with new ideas. Per suggestion by General Electric Credit Corporation, I contacted Broadcast Investment Analysts on behalf of my group, and sent a business plan, which includes the hiring of beginning announcers, with veteran announcers meshed in to give the beginners the encouragement they need, and employment of people with disabilities in behind-the-scenes and some on-air work. My group is also looking for a consulting engineer for the engineering studies needed to enable the 1010 assignment to be moved to Hazelwood, MO with 10000/10000 U2 and a feasibility study for the possibility of assigning CH 226 C2 (93.1 MHz, class C2) to Glasgow Village, MO, a small community on the northwest border of the City of St. Louis, with a site restriction to protect the CP held by KNSX-96.7 for 93.3 MHz, Class C2. KNSX is the FM side of long-silent KPFS-1440. My guess is that KNSX would build their 93.3 site closer to Rolla...KMOZ-1590 and FM sister KQMX-94.3 are having financial difficulties...they fired PD Dennis Hawk and replaced him with former KCFV jock Dennis O'Loughlin, one-fourth of White Birch Communications. As for an engineer, Vern Jackson, White Birch's engineering consultant, has suggested KXEN's CE, but my group cannot obtain his services until a contract is drafted and signed to purchase the station from Radio Property Ventures (formerly, Mid-America Gospel). R.P.V. has sold KBRX-1600/KOGL-105.7, and has received inquiries on KQXI-1550. If the deal is made, my broadcasting career will be saved. If it isn't, on the other hand, my career is over. The extreme difficulty I have had in landing full-time, on-air employment within a 125 mile radius of St. Louis is why I decided to go after KXEN, in addition to the beginner's difficulty in finding that first job and KXEN's monster coverage. So, if you hear Glenn Hauser on 1010, you know what station it is! DXer related programming is another of our plans. The '80s format is really another version of "Kool Gold," with obscure songs mixed in with the biggies. If my group gets an FM, the format there would be Alternative Rock, because of my background working at an alternative rock station. If the '80s format is to be satellite-distributed, the format would go to AM stations only, as is the case with SMN's Z-Rock. If Alternative Rock is developed for satellite, it would go to both AM and FM stations. Notes to fellow NRCers: Ken Onyschuk, you seem to forget that WKDA-1240 also programs Oldies, fed via satellite from SMN. I listened to that while going through Nashville in July. Chris Cuomo, your plan for 1600-1700 may not be feasible. The stations, if they are given 500 watts of power, would not cover their entire markets. My proposal would be 1610-Caribbean I-A Clear (all stations must protect The Beacon), 1620-Regional, 1630-Regional, 1640-US II Clear, 1650-Local, 1660-Regional, 1670-US/Canadian II Clear, 1680-US/Mexican II Clear, 1690-local, 1700-TIS stations (US), Canadian regional. Fewer stations would be allowed on the regionals, and the locals in the expanded band than in the existing AM band. Russ Lay, the reason New York and Chicago have so many 50kW stations is that they were large cities before Atlanta. In fact, when the clears as we know them today were assigned in 1941, Chicago and New York both had over two million population. Obviously, you have never been to Chicago or New York, where AM coverage is better than in Charlotte,

Richmond, or Norfolk. The reason you have difficulty hearing WRVA-1140 is that the station has an east-west patter, so it's stronger in St. Louis than in Atlanta. The reason, as I have said before, is that ground conductivity is better in the Northeast and Midwest, not to mention the West Coast, than it is in the Southeast. Try placing WQXI-790 in Moline, IL, hi! As Bill Alisauskas would say, "Russ doesn't know what he's talking about!" On a personal note, I am planning to tie the knot before the end of next year. (Good Luck, Eric! The first year will be the hardest!--ajm) All I can say about my bride-to-be is that she is 18 years old and understands my DXing addiction. Congrats to Bill and Nancy Hardy on the birth of their daughter, Melanie. Bill, when your kiddos get to be at least 8 or 9 years old, teach them a few tricks of the trade, hi! Condolences to the families of Bill Prater and Gary Atkins, both will be sorely missed! I didn't know what Bill got into trouble for until I read his obituary in the Atlanta Journal-Constitution! With all the publicity Paul got in Topeka for hosting DXCon '89, I think a few more Kansas DX'ers would join the NRC! Good Luck, John Malicky, with Pittsburgh DXCon '90! If the KXEN deal is clinched in time, you will definitely see me there! Suggestions for John would be live remotes by KDKA-1020 and WWSW-FM 94.5, if that could possibly be arranged. 73 and good DX de KDX@STL/4

I think I like this type ball a lot better and it's easier to read, so lets continue the rest of the column with it! Hopefully I haven't made too much money for your area optometrist!--ajm

ERNEST COOPER - 5 Anthony Street, Princetown, MA 02657 (508)-487-9337 I'd like to enter my 2¢ worth in the discussion about the definition of a non-ID. A non-ID is just what it says. It does not give the call letters of the station, only a slogan like "G-123" or "Rock 97" or some such. If, as an example, a station announces "AM 1230 WMOH," that is NOT a non-ID. I'll grant you it is not what's known as a legal ID, but it is certainly an ID - you did learn what station it was, right? If the announcer had said "AM 1320 Solid Gold Radio," that would, of course, be a non-ID, for from that you couldn't tell what station you were hearing. Even though he didn't give the city of license, you found out what station it was and certainly every AM DX'er has an AM logbook! But the logbook won't help you if all he says is AM 1320, Solid Gold Radio. Not much DXing is being done as yet here - staying up late to watch the baseball games and World Series games sorta precludes early AM DXing. But on Saturday a.m. 10/7 I found CX very auroral, and on 1450, there were just two audible signals - one was WMFJ, Daytona Beach, and the other was a c.w. station on one of the satellite networks with IDs only on the hour, and, of course, they faded at those times. They did carry NX from :00 to :05. By the way CX were, I'd figure it had to be either in Florida or coastal GA or SC. A phone call on 9/25 from Bill Alisauskas alerted me to WPDQ-690, Jacksonville, FL, which was on 50kW day pattern and doing a yeoman job in serving Charleston, SC during the aftermath of the terrible storm damage of Hurricane Hugo, and are to be highly commended for being so considerate and open-hearted as to offer this invaluable service to a city some distance from their own primary and secondary service areas. Those were the call letters they were using - WPDQ. A report was sent. Then looking for WWRV-1330 on Tuesday 10/17, I heard only day local but night weakie WDLW and one other station with an upbeat announcer and calls sounding like WDKC, but not enough to go on. One ten-second burst of Spanish in there had to be WWRV, ex-WNYM, but they were immediately gone. They must have changed patterns, for in the past, as WNYM, they almost always topped WDLW here during darkness hours. There's a very weak BFL music station on 1550 with a very mushy-voiced female announcer who seems to be speaking Spanish and sounds a lot like the one I used to hear on 1560 Monday a.m.'s when WQXR-1560 is off. Forward-March!

JOHN R. TUENHAM, WAJRP, 2824 Missouri, Joplin MO 64804 Enjoyed the Topeka DXCon. That was my first convention I attended since 1965 and it was nice to see Skip Dabelstein, Ernie Cooper, and Ernie Wesolowski again. I had met them at previous conventions. Also made many new friends at this convention. The Spring Arbitron ratings in Tulsa find two AM stations in the top 10. KRMG #1 with 9.3% and KVOO #6 with 7.2%. In Oklahoma City, also two stations in the top 10. KTOK #8 with 5.9% and KOMA #9 with 5.7%. A big gain for KOMA with their oldies format. In St. Louis, KMOX is still a big #1 with 21.2% and KATZ #10 with 2.1%. In Kansas City WDAF continues to do very well pulling 15.5% for a solid #1. As Paul Swearingen has said many times, WDAF is a good example of a well-run AM station, and a good example of why AM radio is still alive and well. Also in KC #5 KMEZ (Royals baseball helped), #6 KCMQ, #13 WHE, 2.8%, and KJLA #14 at 1.8%. In Tulsa AM stations KCFO, KGIO, KAKC, KTOU and KSKS all pulled less than 1%. Hope to make Pittsburgh next year but not sure yet. There are several ham conventions that I want to attend also.

RICK DAU, RR 2, Box 64, Oakland, IA 51560-9630 (712)-483-2230 Hello again from the Hawkeye State. I was proud to be a part of this year's NRC wing-ding in Topeka, and I pity those who missed out on the fun. It was great to meet new faces, (Jack Parks, Ernie Cooper, Wayne Heinen, and Skip Dabelstein, especially) and renew old friendships (I hadn't seen Frank Merrill since New Year's Day, hi). Highlights of the convention, including the trip down and back, were: Ernie W. and I encountering an interesting birthday cake in Louisville, NE, on the way to Topeka; having a feeling of self-fulfillment come over me as I finally got to meet Ernie C. in the lobby of the Ramada Inn; riding back from KJTY-FM's xtr with Skip Dabelstein and discussing what certain CL's really stand for; the bidding war I had with Todd Brandenburg over the first three cans of Laurie Boyer's New Zealand beer (Todd got the first one for \$21, I took

the second for \$14) at the auction; the tout of Kansas' oldest continuing AM station, WIBW-580; and helping to set up the beverages at a park in town, chasing away several teenage rebel-rousers in the process (nothing a couple of Bouncing Betty's wouldn't cure, Rick, hi--ajm). Overall I had a fantastic time and hope that next year's GIG in Pittsburgh will be just as fantastic for all who attend. September DXing highlights - from two years ago: after college, oddly enough had cut down on my DXing hours for over three years, it was upon my return to school that I decided to get back into the hobby, this time, of course, from a new QTH. A daytime bandscan turned up many stations from eastern IA and western IL, as well as distant regulars WOWO-1190, WJR-760, and WLW-700-- from one year ago: a great opening to the west on the 30th brought in KDSJ-980 and KATL-770. October highlights - from eight years ago: heard KAAV-1090 for the first time on the 3rd, as I stayed with their broadcast of AR football for several hours - - from one year ago: I ventured to York, NE on the 9th to do a bandscan. On the 28th, Ernie Wesolowski and I went down to Kansas City, where we spent the w-kend DXing and generally just being lazy. While watching the Iowa-Indiana FB game, I flipped on Ernie's R1000 and got WSLM-1220 on the Indiana network. I also had the pleasure of meeting NRCer David Lewis while I was there. That's it for now. 73, and so long from The Farm.

Pete Kemp, KZ1Z - P. O. Box 73 - Bethel, CT 06801

Greetings all...Congratulations to KYW, which this year celebrates its 25th anniversary as an All-News station...Paul Olden has left WWWE and the Cleveland Indians for the lights of Los Angeles as the new play by play man for UCLA's basketball and football games on KMPX...Pete Franklin has parted company with WFAN-New York, to head for San Diego. In the process he has signed a little contact with WWWE for daily and weekly sports reports. Franklin had been a fixture at WWWE for many years prior to his New York stint...The latest Arbitron ratings show Bob Collins in the number one spot among Chicago's morning DJs...Westwood One's Pirate Radio will air Saturday nights from 7 to 11 p.m...Speaking of Pirates, LA's popular morning man Robert W. Morgan, currently on KMPX, recently asked his daughter, Susanna, what she wanted as her 15th Birthday present. She got a guest on-air shift with rival morning man Scott Shannon, the father of Pirate Radio...WWWE has given the gate to controversial Gary Dee, so what's new?...WADN-1120, Walden, MA, has introduced a new format "Folk-Information". They also will be relaying shows from the BBC and CBC. At night 6-midnight, they will program Walden World to focus on international news and public affairs...WHOO in Orlando returned to Country programming on October 1st...It is with great sadness that I report that Big Wilson, a mainstay at WNBC during the 60s and 70's and most recently in the Miami market has died at the age of 65. I always appreciate "Big" when he was in New York, has he was a true professional, having survived many of the format changes unscathed at the NBC Flagship station. He was also heard on the old NBC Network's weekend Monitor program...KILS's Rick Dees has been named this year's recipient of Billboard Magazine's Personality of the Year...WIRE has switched from Country to an Easy Listening format...Gordon Elliot, seen on TV's A Current Affair, will replace Michael Jackson on the ABC TalkRadio Network. Also at TalkRadio, Freddy Mertz has been signed to replace Ray Briem. Incidentally both Briem and Jackson will remain with KABC in Los Angeles...Also on the Talk scene Dr. Toni Grant is retiring from her on-air KFI spot and will be replaced by Dr. Barbara DeAngelis...The Connecticut rumor mill says that Hartford's WCCC is about to undergo a format switch...The Sun radio Network has filed for Bankruptcy under Chapter 11. The network, which I had commented on in an earlier Muse, is currently being managed by the Kayla Satellite Broadcasting Network. The Sun Radio Network has 140 affiliates...Former WMCA talkshow host Meg Whitcomb has signed on for a 1-4 afternoon spot on Talknet...Nice to see NRCer Mike Hardestein again listed in these pages. Hope that he is having fun back on Okinawa. I did a tour there in 1970-71. KSBK, 880 I think, in Naha was AFRTS's commercial alter-ego, at that time. Since the reversion to Japan back in 1972, all the stations are now J's and I believe they have adopted the odd frequency spacing so popular in countries outside of North America...Finally...I would like to make some comments about the recent coverage of news events in the San Francisco area. Broadcasters did an outstanding job on all fronts and should be commended highly. While radio stations picked up the ball immediately providing emergency information to its listeners, television provided its viewers locally and nationally with objective professional and top drawer reporting. My hat is off to all the on-air, technical and support staff for a job well done. In addition to my monitoring and message handling chores on amateur radio, I had the opportunity to watch quite a few feeds over a variety of satellite television channels, of both professional and raw footage variety, as well as open camera shots to keep the channels open, and can tell you that those individuals were busting a gut to give their respective viewers/listeners the most accurate and up to date information possible. Radio and Television again comes through in times of crisis...So much for now.

And there I'll end another edition. To reiterate a previous plea: Does anyone have a tried and true Portuguese reception report form they would be willing to copy or let me copy? A lot of reports are hinging on that bugger, hi! If you're into horror movies, definitely go see SHOCKER. I laughed pretty hard throughout it. Move over Freddy Krueger, Pinhead, and Michael Meyers...here comes Horace Pinker, a TV repairman with a rather sadistic twist. This is sort of a cross between the Freddy series and the Evil Dead version of slapstick horror...it's directed by Wes Craven, and although he borrows heavily from his previous movies, I liked it. That's it for now, let's MUSE, doggonit!!! de Al

KATL 770

P.O. BOX 700
MILES CITY, MT 59301

Broadcasting
-via Jerry Starr

New antenna system may reduce AM interference

Another broadcast tower arose last July on a plot of land near Beltsville, Md. But this one was intended not to bring another broadcast service to the Washington suburb, but to bring improved AM service to thousands of communities across the country.

The 295-foot tower is the heart of an experimental directional AM antenna system that could improve the local signals of AM stations at night and mitigate the long-distance co-channel interference that now clutters the band.

If it does all that is promised, said Milford Smith, vice president, radio engineering, Greater Media Inc., and chairman of the National Association of Broadcasters engineering advisory commission, the antenna system "would be a wonderful new tool for AM broadcasters."

The NAB, which is sponsoring the project, is confident that the antenna will live up to the expectations raised by the antenna's inventor, longtime broadcast consulting engineer Ogden Prestholdt. "There is beauty and simplicity in [Prestholdt's] theory," said NAB staff engineer Kelly Williams, who is in charge of the project. "We believe it will work."

But none will know for sure until late December or January. That when Prestholdt, the lead engineer on the project, will fire up a dummy 400-watt radio station on 1660 klz and begin measuring the antenna's emissions.

The NAB and Prestholdt hope the antenna will solve one of the medium's inherent problems. During the day, AM stations serve their local communities via groundwave signals and all is well. But at night, a second skywave signal begins bouncing off the upper atmosphere, causing interference to stations on the same frequency many miles away.

To minimize the skywave signals and the long distance interference, stations are forced to either reduce transmission power or employ conventional directional antennas that attenuate the skywave in certain directions. Either way, the groundwave signals are weakened and local service suffers.

Prestholdt's system is an enhanced directional antenna designed to give broadcasters separate control of the groundwave and skywave signals so that at night they can reduce the skywave signal without adversely affecting the groundwave signal.

After Prestholdt thought up the antenna system and applied for a patent for it, he presented a paper on it at a broadcast engineering conference in 1985.

AM broadcasters, looking for any and all ideas to improve their lot, picked up on Prestholdt's. As a result, the NAB decided in 1986 to fund the construction and testing of a system under as close to real-world conditions as possible. Hence, the Beltsville project.

NAB has spent \$75,000 on the project thus far (not including NAB staff time), but that figure does not come close to its actual cost. Several broadcast equipment manufacturers have contributed tens of thousands of dollars in services and equipment.

LDL Communications, Laurel, Md., supplied and installed the tower. Nautil Maine Inc. loaned the project a 400-watt solid state transmitter. Contributing monitoring and transmission gear were LDL Communications, Cablewave Systems, Kintronix Laboratories, Low Power Broadcasting, Delta Electronics and Potomac Instruments.

Jim Wilson, president of LDL Communications, acknowledged that the contribution of the \$28,000 tower was not purely altruistic. The company's participation in the project should give it a leg up on competitors if demand for the Prestholdt antenna eventually materializes.

Unlike conventional AM antennas, which only have vertical radiators, the Prestholdt antenna also has a horizontal radiator. Prestholdt believes that by adjusting the current and phase of the horizontal radiator just so, the skywave signals of the vertical radiators can be canceled without affecting the groundwave.

According to Prestholdt, the system requires no equipment that is not currently available off the shelf. The horizontal radiator consists of conventional radio-tower guy wire strung perpendicular to the tower, between the tower and the supporting guy wires.

Upgrading a directional array to take advantage of it would not be a "major expense." It requires another feed system, but not another tower, he said.

Of course, implementing the system will also involve royalties.

Prestholdt holds a patent on the system and expects to be paid by any users of it. He said he has not determined what the royalties would be.

Testing of the Prestholdt antenna is being delayed so the NAB can use the Beltsville facility to test an elevated or "counterpoise" grounding system for AM transmission. If it proves feasible, said NAB's Williams, AM broadcasters would be able to build grounding systems that are just as efficient as conventional buried radial grounding systems at one-third the cost.

The elevated grounding system NAB is testing comprises four wires 90 degrees apart, radiating from the tower about 15 feet about the ground, according to Williams. Conventional systems comprise a large grounding screen and 120 wires, three degrees apart—all of which are buried.

The length of the wires—which are about one-sixteenth of an inch in diameter—varies with the frequency of the station. The NAB experimental station requires wires 150 feet long. Elevated grounding systems are nothing new, Williams said, but they never enjoyed much popularity because they have proved inherently unstable and difficult to maintain. However, he said, two members of Ohio University's electrical engineering department—Al Christman and Roger Radcliff—developed some new techniques in 1987 that the NAB believes are worth testing in the hope that they overcome the inherent problems of elevated systems.

So as not to skew the result of the Prestholdt tests, Williams said, the NAB will replace the elevated grounding system with the conventional buried one before it begins testing the antenna. —HAJ

Houston Chronicle -via Bill Hale

Four radio stations fined for indecent broadcasts

WASHINGTON (AP) — The Federal Communications Commission on Thursday fined four radio stations it accused of broadcasting indecent material in the daytime.

The fines were assessed by the FCC's mass media bureau.

In another indication that the commission under its new chairman, Alfred Sikes, will draw the line at 8 p.m. on what it considers indecent broadcasting, the bureau said it cleared a two-year backlog of complaints by dismissing 87 cases.

Fifty-one cases against 40 stations were dropped because the purportedly indecent material was broadcast after 8 p.m., and 36 others were dropped because of defective complaints or inadequate proof of violations, said Bill Johnson, deputy chief of the FCC's mass media bureau.

Bureau officials said most of the after-8 p.m. complaints concerned television broadcasts.

The FCC announcements came on the same day the commission voted to launch an inquiry into establishing the 24-hour ban on indecent broadcasting Congress ordered last year.

The commission defines broadcast indecency as language or material that "depicts or describes, in terms

potently offensive as measured by contemporary community standards for the broadcast medium, sexual or excretory activities or organs." It will take action when there is a "reasonable risk" that children may be in the audience, the FCC said.

The mass media bureau said it issued the following fines against four radio stations:

■ WIOD, Miami, licensed by Cox Broadcasting, a \$10,000 fine for five alleged instances of indecent programming from Nov. 7, 1988, through Dec. 20, 1988, on the Neil Rogers Show between 10 a.m. and 2 p.m.

■ WZTA-AM, Miami, licensed by Guy Gannett Publishing Co., fined \$2,000 for the same Neil Rogers Show material about 6 a.m. on Oct. 27, 1987.

■ KLUC-FM, Las Vegas, Nev., licensed by Nationwide Communications Inc., fined \$2,000 for broadcasting an allegedly indecent musical recording, *Erotic City*, by Prince at 7:53 p.m. on May 16, 1988.

■ KFI-AM, Los Angeles, licensed by KFI Inc., fined \$6,000 for allegedly indecent material during the Tom Leykis telephone talk show between 11 a.m. and 3 p.m. on Nov. 12, 1988.

Bob Harrison
Union, NJ
July 1988 midday
GE Superadio

530 WDNF923 NEWARK IAP
540 WLIX Islip, NY
550
560 WEAZ Philadelphia, PA
570 WMCA NEW YORK, NY
580 WHP Harrisburg, PA
590 WARM Scranton, PA
600 WICC Bridgeport, CT
610 WIP Philadelphia, PA
620 WSKQ NEWARK
630
640
650

660 WFAN NEW YORK, NY
670
680
690 WADS Ansonia, CT
700
710 WOR NEW YORK, NY
720
730
740 WGSN Huntington, NY
WVCH Chester, PA

750
760
770 WABC NEW YORK, NY
780
790 WAEB Allentown, PA
800 WTMR Camden, NJ
810 WGY Schenectady, NY
820
830 WNYC NEW YORK, NY
840 WVFO Stroudsburg, PA
850 WREF Ridgefield, CT
860 WTEL Philadelphia, PA
870
880 WCBS NEW YORK, NY
890
900 WURD Philadelphia, PA
910 WRKL New City, NY
920
930 WPAT PATTERSON
940
950 WPEN Philadelphia, PA
960 WPCN Mt. Pocono, PA
970 WWDJ HACKENSACK
980
990 WZZD Philadelphia, PA
1000 WRNJ Hackettstown
1010 WINS NEW YORK, NY
1020
1030
1040

1050 WEVD NEW YORK, NY
1060 KYW Philadelphia, PA
1070 WKMB STIRLING
1080 WTIC Hartford, CT
1090 WBAL Baltimore, MD
1100 WHLI Hempstead, NY
1110 WTBQ Warwick, NY
1120
1130 WNEW NEW YORK, NY
1140
1150

1160 WOBM Lakewood
1170 WBRW BRIDGEWATER
1180
1190 WLIB NEW YORK, NY
1200
1210 WCAU Philadelphia, PA
1220 WGNV Newburgh, NY
1230 WFAS White Plains, NY
WEEX Easton, PA
1240 WBAB Babylon, NY
1250 WMTR MORRISTOWN
1260 WBUD Trenton
1270
1280 WADO NEW YORK, NY
1290 WGLI Babylon, NY
1300 WXPX West Hazleton, PA

WING Ewing
1310 WJLK Asbury Park
1320 WKAP Allentown, PA
1330 WKAP NEW YORK, NY
1340 WMID Atlantic City, NJ
1350 WHWH Princeton
1360 WNNJ Newton, NJ
1370 WPAZ Pottstown, PA
1380 WKDM NEW YORK, NY
1390 WEOK Poughkeepsie, NY
1400 WSTC Stamford, CT
1410 WHTG Eatontown
1420
1430 WNJR NEWARK
1440
1450 WCTC NEW BRUNSWICK, NJ
1460 WVOX New Rochelle, NY
1470 WXXW Allentown, PA
1480 WJIT NEW YORK, NY
1490 WBCB Levittown, PA
1500 WKER Pompton Lakes
1510
1520

1530 WJDM ELIZABETH
1540 WPGR Philadelphia, PA
1550
1560 WQXR NEW YORK, PA
1570 WBUX Doylestown, PA
1580 WLIM Patchogue, NY
1590 WERA Plainfield, NJ
1600 WWRL NEW YORK, NY

Bob Harrison
Long Beach Twp., NJ
July 3-6, 1988
GE Superadio

540 WLIX Islip, NY
550
560 WEAZ Philadelphia, PA
570 WMCA New York, NY
580 WTAG Worcester, MA
WHP Harrisburg, PA
590 WARM Scranton, PA
WEEI Boston, MA
600 WICC Bridgeport, CT
610 WIP Philadelphia, PA
620 WSKQ Newark
630 WPRO Providence, RI
640
650



660 WFAN New York, NY
670
680 WCBM Baltimore, MD
690 WADS Ansonia, CT
700
710 WOR New York, NY
720
730 WACE Chicopee, MA
unid "AM 730" addition
740 WGSN Huntington, NY
WVCH Chester, PA
750 WBMD Baltimore, MD
760
770 WABC New York, NY
780
790 WMAZ Providence, RI
WTAR Norfolk, VA
800 WTMR Camden
810 WYIC Annapolis, MD
820
830 WNYC New York, NY
840 WRYM New Britain, CT
WKDI Danbury, MD
850 WREF Ridgefield, CT
860 WTEL Philadelphia, PA
870
880 WCBS New York, NY

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1000 WSEA Georgetown, DE
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910 WNEZ New Britain, CT
WSBA York, PA
1020 WTTM Trenton, NJ
WHJJ Providence, RI
930 WPAT Patterson
940 WKGH Smithfield, VA
950 WPEN Philadelphia, PA
960 WELI New Haven, CT
WLVW Salisbury, MD
1500 WTOP Washington, DC
1510 WJIC Salem, NJ
1520 WTHE Mineola, NY
1530
1540 WPGR Philadelphia, PA
WADK Newport, RI
1550 WLVX West Hartford, CT
1560 WQXR New York, NY
1570 WBUX Doylestown, PA
1580 WLIM Patchogue, NY
WTYO Hammondtown, NJ
1590 WETT Ocean City, MD
1600 WKEN Dover, DE
WWRL New York, NY

TOWER TIP

WKIZ - 1500 - KEY WEST
WKWF - 1600 - KEY WEST

Submitted by: Steve White

Steve shows the WKWF tower next to a small lake on Stock Island; take McDonald Avenue off U.S. 1 to reach the site. WKIZ has 3 towers as shown constructed between Stock Island and the Island of Key West.

Send information about a.m. broadcast towers in your area to John D. Bowker, 14 Canoe Brook Drive, Princeton Jct., NJ 08550. Include a simple map of the nearby highways and landmarks. Tell how many towers, how they are laid out, and any other information that will help in spotting each station.

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